

# AIR QUALITY MONITORING REPORTS 1978

## Volume 4



CA20N  
EV 665

A35  
v. 4

Ministry  
of the  
Environment

Hon. Harry C. Parrott, D.D.S.,  
Minister

Graham W. S. Scott,  
Deputy Minister

### Copyright Provisions and Restrictions on Copying:

This Ontario Ministry of the Environment work is protected by Crown copyright (unless otherwise indicated), which is held by the Queen's Printer for Ontario. It may be reproduced for non-commercial purposes if credit is given and Crown copyright is acknowledged.

It may not be reproduced, in all or in part, for any commercial purpose except under a licence from the Queen's Printer for Ontario.

For information on reproducing Government of Ontario works, please contact ServiceOntario Publications at [copyright@ontario.ca](mailto:copyright@ontario.ca)



# AIR QUALITY MONITORING REPORT

## ONTARIO 1978

### VOL.4



Ontario

Ministry  
of the  
Environment

Hon. Harry C. Parrott, D.D.S.,  
Minister

Graham W. S. Scott,  
Deputy Minister

C O N T E N T S

Station Number	Location	No.of Months	Page
-------------------	----------	-----------------	------

TOTAL REDUCED SULPHUR-GASEOUS

14049	156 Victoria St., Sarnia	9	1
18001	MacKenzie, RR2, Tiverton	12	6
29008	North Park, Hamilton	12	13
29025	Barton-Wentworth, Hamilton	12	20
56051	Memorial Park, Cornwall	7	27
56068	435 Second St.W., Cornwall	12	32
61026	56 King St., Dryden	11	39
62030	Portage/Church, Fort Frances	12	45
62032	Cemetery, Colonization Rd., Fort Frances	11	52
63046	Montreal St., Thunder Bay	12	59

CARBON MONOXIDE

12008	467 University Avenue, Windsor	12	66
14049	156 Victoria St., Sarnia	7	73
14064	Centennial Park, Front St./CN Tracks, Sarnia	6	77
15001	King-Rectory, London	12	81
26029	Edna/Frederick St., Kitchener	12	88
27037	North/Geneva St., St. Catharines	12	95
29025	Barton-Wentworth, Hamilton	12	102
31001	67 College St., 5th Flr., Toronto	12	109
31049	Mission, 381 Yonge St., Toronto	7	116
31090	67 College St., 2nd Flr., Toronto	12	121
31105	Sherbourne/Wilton, Toronto	12	128
33002	Pharmacy - Hwy 401, Toronto	12	135
33003	Lawrence-Kennedy, Scarborough	12	142
34002	Science Centre, Don Mills, North York	6	149
34007	Bathurst-Wilson, North York	12	153
35003	Elmcrest Rd., Etobicoke	12	160
35033	Evans-Arnold, Etobicoke	12	167
44010	1298 Rebecca St., Oakville	12	174
46110	Queenway West/Hurontario St., Mississauga	12	181
51001	McDonald Gdn, Ottawa	12	188
56051	Memorial Park, Cornwall	12	195
77016	Ash Street, Sudbury	12	202

REACTIVE HYDROCARBONS (Non-Methane)

27037	North/Geneva St., St. Catharines	12	209
29025	Barton-Wentworth, Hamilton	12	215
31001	67 College St., 5th Flr., Toronto	12	222

Volume 4 (Cont'd)

Station Number	Location	No.of Month	Page
<u>TOTAL HYDROCARBONS</u>			
12008	467 University Ave., Windsor	12	230
14049	156 Victoria St., Sarnia	7	237
14064	Centennial Park, Front St./CN Tracks, Sarnia	6	241
15001	King-Rectory, London	12	245
31001	67 College St., 5th Flr, Toronto	12	252
33002	Pharmacy - Hwy 401, Scarborough	4	259
33003	Lawrence-Kennedy, Scarborough	12	262
34002	Science Centre, Don Mills, North York	6	269
34007	Bathurst-Wilson, North York	12	273
35003	Elmcrest Rd., Etobicoke	12	280
35033	Evans-Arnold, Etobicoke	12	287
44010	1298 Rebecca St., Oakville	12	294
<u>OZONE</u>			
10001	College of Agric.Tech., Huron Park	12	301
12008	467 University Ave., Windsor	12	308
13021	MOE Pump Station, Middle Rd.,Merlin	12	315
14049	156 Victoria St., Sarnia	7	322
14064	Centennial Park, Front St./CN Tracks, Sarnia	6	326
14118	PUC Water Pump Stn., Hwy 21, Petrolia	12	330
15001	King-Rectory, London	12	337
22071	Experimental Farm, Simcoe	12	344
26029	Edna/Frederick St., Kitchener	12	351
27037	North/Geneva St., St. Catharines	12	358
29025	Barton-Wentworth, Hamilton	12	365
31001	67 College St., 5th Flr., Toronto	12	372
31105	Sherbourne/Wilton, Toronto	12	379
33003	Lawrence-Kennedy, Scarborough	12	386
34002	Science Centre, Don Mills, North York	6	393
35003	Elmcrest Rd., Etobicoke	12	397
35033	Evans-Arnold, Etobicoke	12	404
44010	1298 Rebecca St., Oakville	12	411
45125	Natural Res. Bldg., Orono	12	418
46110	Queensway West/Hurontario St., Mississauga	12	425
47030	Muck Res. Stn., Hwy 400/Canal Rd., Holland Marsh	3	432
48002	MTC Yard, Stouffville	12	435
51001	McDonald Gdn, Ottawa	12	442
56051	Memorial Park, Cornwall	12	449
58034	1.6 M West Hwy 28/5th Line Rd., Wesleyville	10	456
77016	Ash Street, Sudbury	12	462

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	2	2	1	0	0	2	6	6	6	4	1	1	1	4	7	0	0	0	0	0	0	0	2
5	0	0	0	0	0	0	0	1	2	4	1	2	12	6	4	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	6	3	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	3	2	1	1	2	0	0	0	0	0	0	1	1	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	2	9	0	1	0	1	5	4	4	3	2	2	2	6	6	6	6	4	0	0	1	2	2	3
23	2	2	1	1	1	0	2	2	3	1	1	2	3	2	2	1	1	0	0	0	4	4	5	6	2
24	7	5	5	2	3	1	0	1	0	6	12	2	1	3	4	4	2	4	5	10	5	2	0	0	4
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	0	0	0	0	0	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	6	10	7	6	6	5	6	5	4	5	7	5	6	5	4	3	2	2	4	6	6	11	6	6	6
16	7	5	2	2	1	1	0	0	0	0	0	0	4	3	4	4	7	7	9	4	1	0	0	0	3
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	4	0	0	0	0	0	0	0	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	4	2	14	11	1	0	0	0	1	1	2	1	1	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	6	10	8	2	0	1	1
25	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	4	1
28	2	2	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	4	4	4	4	1
MEAN	1	1	0	1	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 94.8

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 3.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

PERCENTAGE OF DATA VALID - 92.7      PERCENTAGE OF DATA INVALID - 7.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-." INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

PERCENTAGE OF DATA VALID - 96.0      PERCENTAGE OF DATA INVALID - 3.9      PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	3	4	6	3	5	5	5	4	1	0	0	0	2
12	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	5	5	1	1	1	1	1	1	1	1	1	1	0	0	1	1
19	7	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1
20	0	0	9	12	13	14	12	1	2	1	1	1	2	2	1	1	3	1	1	1	1	1	1	1	3
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	6	2	6	3	2	0	0	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	3	3	4	6	5	0	0	0	0	0	0	0	0	1	1	1	1	0	5	1	2	1
27	5	2	1	3	2	2	4	1	0	0	0	0	1	1	1	2	2	2	1	0	5	1	2	9	3
28	3	0	5	2	1	1	1	3	5	4	3	3	3	4	4	4	3	3	3	3	4	3	2	1	2
29	2	1	1	1	1	1	2	3	4	3	2	2	1	1	1	2	2	3	4	3	2	1	1	2	3
30	1	2	2	2	2	6	3	5	8	5	4	3	3	3	3	3	3	3	3	5	2	3	2	2	3
31	2	1	2	1	1	2	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	0	1	0	1
MEAN	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0.7

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	0	0	***	***	1	2	3	2	3	2	5	2	2	2	0	5	5	2
2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
3	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	1	3	2	0	1	0
5	1	1	0	0	0	2	9	5	6	6	5	3	4	6	6	6	4	6	2	2	1	1	1	3	1
6	0	2	1	0	0	0	9	5	6	6	5	3	4	6	6	6	4	6	2	2	1	1	1	3	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	7	3	0	1	0	0	0	0	0	***	1	0	0	0	0	0	0	0	0	0	0	0	0	3	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	0	0	0	0	0	0	0	0	0	1	4	4	3	5	4	7	6	9	10	3	1	1	1	1	3
11	8	9	5	9	10	7	8	3	1	1	3	8	9	5	13	16	18	21	24	24	24	17	16	17	12
12	15	14	11	10	7	7	8	9	9	3	2	2	2	1	2	1	1	0	0	0	0	0	0	0	4
13	0	0	0	0	0	0	0	0	0	***	***	2	2	1	1	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
15	6	8	5	5	1	1	1	2	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	2
16	0	0	0	0	0	0	0	0	1	1	2	15	9	5	4	3	2	2	1	1	1	1	1	1	2
17	1	5	7	1	7	6	2	7	4	4	4	4	4	4	1	2	1	1	1	1	3	16	1	1	4
18	11	6	7	4	7	5	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
19	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	3	2	2	2	2	2	2	2
20	0	2	5	3	2	0	3	3	1	1	1	1	2	***	1	1	1	0	0	0	0	0	0	0	1
21	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	1	1	2	3	1	2	2	2	***	0	0	0	0	0	0	0	0	0	0	0	0	0	2
27	0	0	6	8	7	8	17	7	4	4	1	0	0	0	0	0	0	0	0	0	1	1	2	1	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	2	2	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1.6

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	3	5	5	3	3	2	3	3	3	2	3	3	5	3	4	4	4	5	5	3
2	5	7	9	9	6	3	4	3	3	3	3	2	5	4	4	4	7	4	6	9	6	5	7	7	5
3	4	5	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2
4	2	2	1	1	1	1	3	2	2	2	1	1	2	2	1	2	2	2	1	1	1	1	3	1	2
5	1	1	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6														- DATA INVALID -											
7														- DATA INVALID -											
8	0	0	0	0	0	0	0	0	0	0	0	0	4	3	3	4	2	4	2	3	4	3	4	4	0
9	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	1	0
11	0	2	0	2	0	0	2	0	0	0	0	1	1	1	1	2	3	3	4	7	4	4	3	1	2
12	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	1	1	0	0	0	0	0
15	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	5	1	2	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	1	3	1	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	1	1	0
19	0	0	0	0	0	0	0	0	0	0	1	3	2	4	3	1	1	0	0	0	0	0	0	1	1
20	2	2	1	0	0	2	3	1	1	4	3	5	-	-	-	-	-	-	-	-	-	-	-	-	0
21														- DATA UNAVAILABLE -											
22														- DATA UNAVAILABLE -											
23														- DATA UNAVAILABLE -											
24														- DATA UNAVAILABLE -											
25														- DATA UNAVAILABLE -											
26														- DATA UNAVAILABLE -											
27														- DATA UNAVAILABLE -											
28														- DATA UNAVAILABLE -											
29														- DATA UNAVAILABLE -											
30														- DATA UNAVAILABLE -											
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1.3

PERCENTAGE OF DATA VALID - 54.6 PERCENTAGE OF DATA INVALID - 10.4 PERCENTAGE OF DATA UNAVAILABLE - 35.0

- NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS				UNITS - PARTS/BILLION	
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	0.4	4	12	
FEB	26	0.6	6	14	
MAR	29	0.6	4	16	
APR	28	0.2	2	21	
MAY	31	0.7	3	14	
JUN	30	1.6	12	24	
JUL	31	1.4	7	35	
AUG	23	1.6	12	38	
SEP	15	1.3	5	9	
YEAR	244	0.9	12	38	



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO 100	101 TO 300	301 TO 500	501 & OVER	TOTAL
JAN	732	2	0	0	0	0	0	0	734
FEB	634	3	0	0	0	0	0	0	637
MAR	685	5	0	0	0	0	0	0	690
APR	690	0	1	0	0	0	0	0	691
MAY	731	4	0	0	0	0	0	0	735
JUN	692	13	4	0	0	0	0	0	709
JUL	719	16	1	1	0	0	0	0	737
AUG	562	16	0	2	0	0	0	0	580
SEP	393	0	0	0	0	0	0	0	393
YEAR	5838	59	6	3	0	0	0	0	5906

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.1	0	0.0	0.0	0.0	0.0	2.5	4.7	8.1	11.0	38	0.9

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29																									
30																									
31																									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 89.8

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 9.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - SW NO 18001												MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 3.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION																								
STATION - SW NO 18001												MONTH - MAR 78																								
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN											
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
8	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0											
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
16	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0											
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
22	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0											
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
25													- DATA INVALID -												*****											
26													- DATA INVALID -																							
27													- DATA INVALID -																							
28													- DATA INVALID -																							
29													- DATA INVALID -																							
30	*****												*****												0	0	0	0	0	0	0	0	0	0	0	*****
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0											

PERCENTAGE OF DATA VALID - 83.9

PERCENTAGE OF DATA INVALID - 16.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS										UNITS - PARTS/BILLION														
		STATION - SW NO 18001					MACKENZIE RR 2 TIVERTON					MONTH - APR 78														
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - SW NO 18001															MACKENZIE RR 2 TIVERTON										
															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 80.0

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 19.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

[illegible]

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS																UNITS - PARTS/BILLION										
STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON																MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS											UNITS - PARTS/BILLION													
	STATION - SW NO 18001					MACKENZIE RR 2 TIVERTON						MONTH - AUG 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	2	0	0	1	1	1	2	2	2	2	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	1	3	3	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	***	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	4	3	4	3	3	2	2	2	2	1
24	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS											UNITS - PARTS/BILLION													
	STATION - SW NO 18001					MACKENZIE RR 2 TIVERTON						MONTH - SEP 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	2	2	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	2	3	3	3	3	2	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	3	4	6	7	6	4	3	4	3	2	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	1	2	4	3	3	3	3	2	1	1	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - SW NO 18001												MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26												0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
27												- DATA INVALID -													
28												- DATA INVALID -													
29												- DATA INVALID -													
30												- DATA INVALID -													
31												- DATA INVALID -													
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 78.8

PERCENTAGE OF DATA INVALID - 21.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - SW NO 18001												MONTH - NOV 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA INVALID -													
2												- DATA INVALID -													
3												- DATA INVALID -													
4												- DATA INVALID -													
5												- DATA INVALID -													
6												- DATA INVALID -													
7												- DATA INVALID -													
8												- DATA INVALID -													
9												- DATA INVALID -													
10												- DATA INVALID -													
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
13	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29												- DATA UNAVAILABLE -													
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

PERCENTAGE OF DATA VALID - 56.0

PERCENTAGE OF DATA INVALID - 40.7

PERCENTAGE OF DATA UNAVAILABLE - 3.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	0.0	0	0
FEB	26	0.0	0	0
MAR	26	0.0	0	0
APR	30	0.0	0	0
MAY	24	0.0	0	0
JUN	30	0.0	0	0
JUL	31	0.0	0	0
AUG	31	0.1	1	4
SEP	30	0.2	2	7
OCT	24	0.0	0	2
NOV	17	0.1	1	1
DEC	31	0.0	0	0
YEAR	328	0.0	2	7

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO 100	101 TO 300	301 TO 500	501 & OVER	TOTAL
JAN	668	0	0	0	0	0	0	0	668
FEB	643	0	0	0	0	0	0	0	643
MAR	624	0	0	0	0	0	0	0	624
APR	715	0	0	0	0	0	0	0	715
MAY	595	0	0	0	0	0	0	0	595
JUN	715	0	0	0	0	0	0	0	715
JUL	738	0	0	0	0	0	0	0	738
AUG	736	0	0	0	0	0	0	0	736
SEP	717	0	0	0	0	0	0	0	717
OCT	586	0	0	0	0	0	0	0	586
NOV	403	0	0	0	0	0	0	0	403
DEC	740	0	0	0	0	0	0	0	740
YEAR	7880	0	0	0	0	0	0	0	7880

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	7	0.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - MC NO 29008 NORTH PARK HAMILTON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	0	0	0	0	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
3	0	1	1	1	0	0	0	0	1	1	1	1	1	4	3	3	0	0	0	0	0	0	2	1	1
4	1	1	2	3	8	6	4	1	1	****	0	0	3	4	2	6	3	2	1	1	1	2	2	3	2
5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
11	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	3	2	2	2	2	1	****	2	1	0	1	1	1	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	2	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	1	1	8	6	4	3	1	0	1	1	1	1	1	****	****	4	3	5	5	2
16	4	5	3	2	3	6	7	5	2	2	3	2	2	1	1	1	1	1	1	1	2	3	2	3	3
17	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1
19	1	1	2	2	2	2	1	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1
20	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
21	1	1	1	1	2	1	1	1	0	1	1	1	1	1	1	1	0	0	0	2	2	0	0	0	1
22	1	2	0	1	1	0	0	1	2	0	1	1	0	0	2	0	0	1	2	2	2	2	1	1	1
23	2	2	3	4	5	5	3	3	4	3	4	4	3	3	3	3	3	4	3	2	2	5	2	3	3
24	5	3	3	3	3	3	1	2	2	2	3	4	3	3	1	2	3	2	3	3	2	3	2	2	3
25	1	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	3	3	3	3	3	3	3	3	3	3	****	1	1	3	3	3	3	3	3	2	2	2	2	****	3
27	****	****	0	0	****	0	0	0	0	****	0	0	1	0	0	1	2	1	1	0	1	0	0	0	0
28	1	2	3	0	3	5	2	0	0	1	0	0	0	0	0	0	0	0	13	8	0	0	0	1	2
29	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
30	1	1	2	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	3	1	1	1	0	1
31	2	0	1	1	1	1	1	1	1	****	****	****	-	-	-	-	-	-	-	-	-	-	-	-	*****
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS										UNITS - PARTS/BILLION															
		STATION - WC NO 29008					NORTH PARK HAMILTON					MONTH - FEB 78															
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
MEAN		1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 69.3

PERCENTAGE OF DATA INVALID - 28.7

PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS										UNITS - PARTS/BILLION															
		STATION - WC NO 29008					NORTH PARK HAMILTON					MONTH - MAR 78															
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																											
31																											
MEAN		2	4	3	3	4	3	3	2	2	2	1	1	1	2	1	1	1	1	1	1	1	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 20.6

PERCENTAGE OF DATA INVALID - 79.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - PARTS/BILLION

	STATION - WC NO 29008					NORTH PARK HAMILTON						MONTH - APR 78																					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN								
1												- DATA INVALID -																					
2												- DATA UNAVAILABLE -																					
3												- DATA UNAVAILABLE -																					
4												- DATA UNAVAILABLE -																					
5												- DATA UNAVAILABLE -																					
6												- DATA UNAVAILABLE -																					
7	-	-	-	-	-	-	-	-	-	-	-	2	0	0	0	0	0	1	1	0	0	0	0	0	0	*****							
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
11	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	3	3	2	3	2	2	3	3	2	2	1							
12	2	3	3	3	3	3	1	2	11	9	6	4	4	2	3	3	3	5	5	5	6	13	18	7	5								
13	6	12	7	8	9	7	8	8	8	8	9	5	6	5	5	4	4	3	3	3	3	2	2	2	6								
14	2	2	4	5	3	4	5	6	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	3								
15	1	0	0	0	0	1	1	3	3	4	3	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1							
16	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	-	0							
17	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	0								
18												- DATA UNAVAILABLE -																					
19												- DATA UNAVAILABLE -																					
20												- DATA UNAVAILABLE -																					
21												- DATA UNAVAILABLE -																					
22												- DATA UNAVAILABLE -																					
23												- DATA UNAVAILABLE -																					
24												- DATA UNAVAILABLE -																					
25												- DATA UNAVAILABLE -																					
26												- DATA UNAVAILABLE -																					
27												- DATA UNAVAILABLE -																					
28												- DATA UNAVAILABLE -																					
29												- DATA UNAVAILABLE -																					
30												- DATA UNAVAILABLE -																					
MEAN	1	2	2	2	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	2	3	1	1.5								

PERCENTAGE OF DATA VALID - 34.4      PERCENTAGE OF DATA INVALID - 1.7      PERCENTAGE OF DATA UNAVAILABLE - 63.9

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \* - \* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

UNITS - PARTS/BILLION

[illegible]

PERCENTAGE OF DATA VALID - 87.6      PERCENTAGE OF DATA INVALID - 0.7      PERCENTAGE OF DATA UNAVAILABLE - 11.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "- " INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - WC NO 29008 NORTH PARK HAMILTON															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	0	0	0	0	0	3	5	4	2	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
5	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
6	0	0	0	2	2	1	2	3	3	1	1	1	1	1	1	1	1	2	2	3	6	3	2	4	2
7	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
8	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	0	0	0	0	1	1	2	2	3	2	2	1	1	0	0	0	0	0	0	1	1
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1
11	1	2	5	6	2	2	4	3	3	2	3	6	3	2	3	2	4	4	5	3	1	1	1	1	3
12	1	1	1	1	1	1	1	2	***	1	1	2	2	3	3	2	1	3	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0
15	3	2	10	12	16	7	16	14	8	2	0	2	2	0	0	0	0	0	0	0	0	2	3	2	4
16	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	2	3	2	3	2	2	1	1	2	2	2	3	3	4	3	2	1	1	1	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	1	1	1	1	2	2	2
20	2	2	2	1	0	0	0	0	0	1	1	2	1	1	1	1	1	1	2	2	1	1	2	2	1
21	0	0	0	0	0	0	0	1	0	1	1	0	0	1	2	5	2	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	1	2	3	2	3	3	2	2	2	1	5	3	1	3	1
23	2	2	0	1	0	0	0	0	0	0	0	***	-	-	-	-	-	-	-	-	-	-	-	-	*****
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	2	1	0	2	1	0	1	1	1	1	1	2	2	2	3	1	1	2	0	0	0	0	1	0	1
28	0	0	0	0	0	1	1	1	1	1	1	1	1	1	4	2	1	***	***	***	***	***	***	***	1
29	16	7	6	9	11	2	2	3	3	3	3	2	2	3	3	2	2	2	2	2	1	2	2	1	4
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
MEAN	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 89.3

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 9.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - WC NO 29008 NORTH PARK HAMILTON															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	1
2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
4	1	1	0	0	0	1	1	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	2	7	3	2	2	1	1	1	1	2	2	4	3	1	1
6	2	2	2	3	1	1	2	1	2	2	2	2	***	1	3	2	2	4	2	3	3	4	9	2	2
7	3	3	2	2	2	2	3	3	2	2	2	3	3	3	2	2	3	3	2	2	1	2	2	1	2
8	2	2	2	1	1	1	3	5	3	2	2	3	3	3	2	2	2	2	1	1	1	5	6	2	2
9	3	5	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	4	3	3	2	2
10	2	2	3	5	3	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1
11	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
12	0	6	1	4	2	11	11	9	6	0	0	0	0	0	1	1	1	1	2	1	3	2	2	1	3
13	2	1	2	1	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2
14	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
15	1	1	1	1	1	1	0	0	1	1	1	1	1	2	1	2	1	1	2	15	3	0	0	0	2
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	3	2	3	1	0	0	0	2	0	0	0	3	8	1	1
19	0	2	4	6	4	1	2	1	1	1	1	1	1	***	2	3	5	11	2	3	3	3	3	9	3
20	2	2	3	3	3	1	2	3	2	2	3	2	4	4	4	3	3	3	7	4	4	7	4	2	3
21	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	1	1	1	0	0	0	0	1	2	3	2	3	5	3	4	6	9	4	4	1	2
23	0	2	2	1	1	1	1	1	2	4	3	5	3	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0
26	0	0	0	0	1	2	0	0	1	1	2	1	2	1	2	4	2	2	2	5	3	2	5	1	0
27	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	6	0	1	1	0	0	0	0	1
28	0	0	1	1	1	***	***	***	***	***	***	***	***	***	0	0	0	0	0	2	1	2	2	0	1
29	1	1	1	1	1	1	1	2	2	1	1	1	2	2	1	2	2	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	***	1	1	0	0	0	0	0	0	0	1	1	2	3	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1.2

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS											UNITS - PARTS/BILLION													
	STATION - WC NO 29008				NORTH PARK HAMILTON							MONTH - AUG 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	0	0	1	2	1	1	1	2	1	1	3	2	2	2	1	1	0	0	0	0	1
2	0	0	0	0	0	0	0	0	1	1	1	2	2	4	2	1	2	1	1	1	2	0	1	2	0
3	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	1	0
5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	1	1	1	1	5	1	1	2	5	4	4	4	9	5	3	2	1	1	2
9	2	1	1	0	0	0	0	0	0	1	3	3	3	2	2	1	2	4	3	1	0	0	0	0	0
10	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0
13	7	10	1	0	1	1	3	6	3	4	2	2	1	1	2	2	1	1	4	1	2	0	0	0	2
14	0	1	2	3	1	2	0	2	1	1	2	7	6	2	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	5	3	1	1	0	1	1	1	1
16	1	1	1	1	2	2	2	3	3	3	3	3	2	3	5	4	5	3	2	2	3	8	6	2	3
17	2	2	1	1	1	1	2	3	1	1	2	1	2	2	1	1	1	1	2	2	2	2	2	2	2
18	1	1	1	1	1	1	1	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	1	1	1	1	1	2	2	5	3	4	2	4	4	4	4	5	2	2	1	1	1	1	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	0	1	1	0
21	0	0	0	0	0	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	*****
22	0	0	0	0	0	0	0	0	1	1	1	2	2	1	2	2	2	2	2	2	2	4	2	1	1
23	1	2	2	1	9	34	12	26	2	1	3	6	5	4	2	2	2	1	2	2	5	1	1	3	5
24	2	1	0	2	1	2	5	4	4	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1
26	1	1	1	1	1	1	1	2	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	2	1	1	1	1	3	2	2	***	1	2	5	11	6	5	4	4	2	1	1	1	2	3
29	3	4	3	2	1	2	2	2	2	2	2	2	1	0	1	1	1	1	1	1	1	1	1	2	2
30	2	2	2	1	1	2	1	4	2	2	2	3	9	2	2	2	2	2	3	3	0	1	0	0	2
31	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	2	1	2	1	1	1	2	2	1	2	2	2	2	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.      "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION													
STATION - WC NO 29008														NORTH PARK HAMILTON													
														MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	4	4	1	1		
2	5	2	5	3	10	3	2	3	3	2	3	4	3	3	3	3	3	2	3	5	7	6	4	3	4		
3	3	2	2	3	2	1	2	2	3	3	3	3	2	1	1	1	1	1	2	2	1	0	0	0	2		
4	1	1	1	1	1	1	1	1	1	1	2	2	4	3	3	3	3	3	3	3	2	8	5	5	2		
5	4	10	3	3	5	6	3	5	***	1	1	1	1	0	0	0	0	0	0	1	2	3	2	2	9		
6	2	2	1	1	2	2	2	3	4	6	6	5	15	18	14	36	33	5	2	3	2	5	19	22	9		
7	9	3	8	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0		
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0		
9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0		
10	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	1		
11	2	2	2	2	1	1	1	1	1	1	2	2	2	6	6	5	3	4	6	4	2	1	2	2	3		
12	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0	0	0	0	0	0		
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
14	- DATA INVALID -																										
15	- DATA INVALID -																										
16	- DATA INVALID -																										
17	- DATA INVALID -																										
18	- DATA INVALID -																										
19	- DATA INVALID -																										
20	- DATA INVALID -																										
21	- DATA INVALID -																										
22	- DATA INVALID -																										
23	- DATA INVALID -																										
24	- DATA INVALID -																										
25	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	1	1	1	5	1	0	0	1		
26	1	0	1	1	0	0	0	0	0	1	2	1	1	3	1	2	2	10	3	1	0	0	0	0	1		
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
28	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
29	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	8	0	0	1	0		
30																											
MEAN	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	1	1	2	1	2	2	2	1.5		

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*.\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION												
	STATION - WC NO 29008						NORTH PARK HAMILTON						MONTH - OCT 78												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	4	3	2	2	2	2	2	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	2	2	2	0
3	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	0	0	0	0	0	3	1
4	1	3	1	0	0	0	1	1	1	2	2	1	1	1	2	2	1	1	5	2	1	2	2	2	1
5	2	2	2	1	1	2	2	1	2	2	2	2	2	2	2	2	1	1	1	0	2	2	0	0	2
6	0	2	1	1	0	1	0	0	0	1	1	1	2	3	4	2	3	3	4	3	1	0	0	0	1
7	0	0	0	0	0	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	0	0	0	2	6	4	4	3	2	1	2	2	2	3	3	2	2	3	2	1	3	2
10	1	2	2	2	1	3	2	1	....	3	3	5	5	4	3	3	2	1	1	2	3	2	1	1	2
11	2	1	0	0	0	0	1	1	....	....	....	....	....	1	2	2	3	2	3	5	5	4	3	2	2
12	2	2	2	1	1	1	0	1	3	4	3	4	4	4	4	3	1	0	1	0	3	5	2	2	2
13	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	3	5	8	1	0	0	0	0	1	2	1	1	2	1	2	2	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	1
18	2	2	2	2	3	4	3	3	3	4	3	3	1	0	0	1	1	2	1	1	1	1	1	1	2
19	1	1	0	0	0	0	1	1	1	1	1	2	3	3	2	3	2	2	2	2	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	1	4	2	2	2	0	1
21	1	2	2	2	2	2	1	2	2	3	3	1	1	3	9	4	4	2	10	5	4	5	9	4	3
22	3	2	5	4	2	3	3	2	5	5	3	2	4	4	7	4	3	5	2	4	4	4	4	3	4
23	2	2	0	0	0	0	0	0	....	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	1	2	1	1	0	0	1	0	0	0	0	1	1	0	1	0	0	0	0
25	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	3	1	0	0	0	3	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	0	0	1	2	2	2	1	1
28	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	2	3	0
31	4	13	13	3	1	2	3	2	2	3	2	6	6	1	0	0	1	1	0	0	0	0	2	1	3
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS										UNITS - PARTS/BILLION																		
	STATION - WC NO 29008										MONTH - NOV 78																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	4	4	4	7	1				
2	2	4	3	2	1	1	2	5	2	3	4	3	5	4	10	7	2	4	5	3	2	3	1	5	3				
3	9	2	1	2	2	3	2	3	2	3	3	3	2	2	2	2	1	1	1	2	2	3	4	4	3				
4	4	4	3	3	3	2	2	4	2	3	4	4	3	3	3	4	5	3	6	5	2	2	6	2	3				
5	2	2	3	3	4	3	3	3	4	4	5	5	5	4	5	4	7	10	11	9	6	6	7	5	5				
6	9	7	6	5	6	5	6	6	5	4	0	1	1	0	0	0	1	1	0	0	1	1	1	1	3				
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8	- DATA INVALID -															2	1	3	2	2	6	6	1	2	2	*****			
9	*****															*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
10	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*****	*****													
12	- DATA INVALID -															*****													
13	- DATA INVALID -															*****													
14	*****															4	3	0	0	0	0	0	6	4	6	*****			
15	5	5	6	5	2	2	5	2	1	1	0	0	0	*****	1	1	1	1	1	1	1	1	1	1	2				
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
18	0	1	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0				
19	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	3	1				
24	2	2	1	1	0	1	1	2	4	4	4	3	1	1	1	1	1	2	3	2	1	1	0	0	2				
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
28	0	0	0	0	1	2	2	3	2	1	1	1	3	3	3	2	3	3	1	0	0	0	1	1	1				
29	1	1	0	0	1	1	0	0	0	1	1	1	1	0	0	0	0	1	0	0	1	2	0	0	1				
30	0	0	0	0	0	0	0	1	3	4	3	5	1	0	2	4	2	2	9	2	1	2	5	2	2				
MEAN	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	1.3				

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - WC NO 29008 NORTH PARK HAMILTON														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	5	16	4	6	2	3	2	1	2	2	1	0	0	0	0	1	1	2	1	2	1	1	1	2
2	0	0	0	0	0	0	0	0	4	5	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0
3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
4	0	1	0	0	1	0	1	1	1	1	1	1	1	2	4	3	2	1	2	3	1	1	1	1	1
5	2	1	1	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	1	1	1	1	1	1
6	1	1	2	1	2	1	1	3	1	2	1	1	0	0	0	1	1	2	3	2	2	0	0	0	0
7	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
8	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	4	2	4	2	4
10	4	5	3	2	2	1	1	1	1	2	2	3	3	3	6	2	.....	.....	.....	.....	.....	.....	.....	.....	3
11	.....	.....	.....	.....	.....	.....	.....	.....	4	4	5	2	2	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	.....	.....	.....	.....	.....	.....	.....	0
13	.....	.....	.....	.....	2	1	1	1	1	1	0	0	0	1	5	3	0	0	0	3	3	0	0	0	1
14	0	0	0	0	0	0	0	7	2	2	5	0	4	0	0	0	0	0	0	0	0	1	2	0	0
15	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	2	0
16	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0
17	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	3	.....	4	6	3	1	0	0	0	0	0	1	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.....	0	0	0	2	1	1	1	1	1	0
20	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1	0	0	0	0	0	0	1	1
21	5	7	6	4	3	3	2	4	5	4	1	0	1	1	1	1	1	1	1	4	6	4	3	3	3
22	5	2	1	2	2	3	2	3	3	2	2	3	2	2	4	5	2	3	1	2	2	2	4	4	3
23	8	9	5	2	2	3	3	3	2	2	5	8	2	1	0	0	3	3	2	1	2	3	3	3	3
24	3	3	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2	2	2
25	2	3	4	3	3	3	2	2	2	2	2	3	0	1	1	2	1	2	3	3	5	5	7	3	3
26	6	6	4	4	1	2	2	2	2	6	3	4	1	3	3	2	2	7	5	4	4	2	2	2	3
27	1	1	2	3	1	2	4	5	2	3	1	1	2	5	5	6	5	4	3	5	3	2	1	1	3
28	5	6	6	4	5	1	0	10	13	1	0	0	0	0	1	1	1	1	1	0	.....	0	0	0	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0
30	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2
31	2	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	3	4	4	4	2
MEAN	2	2	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1.4

PERCENTAGE OF DATA VALID - 94.6

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

## UNITS - PARTS/BILLION

## STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	1.1	3	13
FEB	19	1.2	4	10
MAR	8	1.8	4	11
APR	10	1.5	6	16
MAY	27	0.4	2	18
JUN	28	1.2	4	16
JUL	31	1.2	3	15
AUG	30	1.3	5	34
SEP	17	1.6	9	36
OCT	31	1.1	4	13
NOV	24	1.3	5	11
DEC	30	1.4	3	16
YEAR	281	1.2	9	36

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - WC NO 29008

NORTH PARK HAMILTON

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO 100	101 TO 300	301 TO 500	501 & OVER	TOTAL
JAN	718	1	0	0	0	0	0	0	719
FEB	466	0	0	0	0	0	0	0	466
MAR	152	1	0	0	0	0	0	0	153
APR	244	4	0	0	0	0	0	0	248
MAY	649	3	0	0	0	0	0	0	652
JUN	637	6	0	0	0	0	0	0	643
JUL	729	4	0	0	0	0	0	0	733
AUG	727	2	1	1	0	0	0	0	731
SEP	426	4	1	2	0	0	0	0	433
OCT	735	2	0	0	0	0	0	0	737
NOV	610	1	0	0	0	0	0	0	611
DEC	702	2	0	0	0	0	0	0	704
YEAR	6795	30	2	3	0	0	0	0	6830

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	FREQUENCY DISTRIBUTION, 50	CONCENTRATIONS, 70	PERCENT, 90	PERCENT, 95	98	99	MAX	ARITH MEAN
78.0	0	0.0	0.0	0.1	0.9	2.6	3.9	5.8	8.1	36	1.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - WC NO 29025

BARTON/WENTWORTH HAMILTON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	****	0	0	0	0	0	1	1	1	1	1	2	1	2	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	1	2	2	1	1	1	2	3	3	2	0	0	0	0	1	1	1	1
6	1	0	0	0	0	0	1	1	1	****	0	1	1	1	1	1	1	1	1	1	2	3	2	1	1
7	0	0	0	0	1	3	6	5	1	1	1	1	0	0	3	7	3	1	1	6	8	3	3	2	2
8	8	11	15	9	13	5	3	2	1	1	0	0	0	0	0	1	1	1	1	1	0	0	1	0	3
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	2	0
13	0	0	0	0	0	2	2	1	1	1	1	1	1	1	1	1	2	7	16	7	8	9	0	1	3
14	11	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	2	11	2	1	1	0	1	3	4	9	9	2
18	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	2	2	2	1
19	1	1	1	1	1	1	2	1	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	3	1
20	3	3	1	1	2	1	0	1	1	4	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
25	2	2	2	1	1	1	3	2	3	5	2	3	8	9	3	10	16	6	6	6	3	3	3	3	4
26	4	4	3	2	2	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	1	1	0	0
MEAN	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS											UNITS - PARTS/BILLION													
	STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON											MONTH - FEB 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	1	1	1	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	...	0	1	2	4	1	0	0	0	0	0	0	0
5	1	1	1	2	1	2	5	3	1	1	3	1	1	0	0	7	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	11	4	1	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
9	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	3	10	8	6	10	5	0	0	0	0	0	0	2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	1	0	1	0	0	...	1	1	1	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	1	1	0	1	1	0
21	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	2	2	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	0	1	7	12	1	0	0	0	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS											UNITS - PARTS/BILLION													
	STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON											MONTH - MAR 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	1	15	11	3	0	0	0	0	0	0	1	17	2
8	8	6	0	0	0	0	0	1	9	15	13	1	2	2	2	1	1	3	3	3	1	0	1	1	3
9	1	1	0	1	0	0	2	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	1	0	1	1	1	6	7	11	7	20	9	6	1	3	1	2	1	1	1	1	3
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	2	1	1	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	5	6	4	7	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	3	2	2	4	15	3	2	2	1	1	1	1	1	0	2
17	0	0	0	0	1	0	1	1	1	1	0	1	1	3	5	2	2	1	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	4	7	3	0	0	0	0	0	1	3	2	2	1	1	1	2	3	9	8
21	2	2	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	1	0	0	1	5	1
25	6	5	17	24	12	1	2	1	2	3	2	5	3	9	6	6	3	2	6	2	0	0	0	0	5
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	6	2	6	7	6	
27	10	10	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	1	1	3	2	1	0	0	0	6	3	2	2	0	2	2	5	5	5	2
MEAN	1	1	1	1	1	0	0	0	1	1	1	1	1	2	2	1	1	1	1	1	0	1	1	2	1.0

PERCENTAGE OF DATA VALID - 92.6

PERCENTAGE OF DATA INVALID - 5.6

PERCENTAGE OF DATA UNAVAILABLE - 1.7



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - WC NO 29025													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	1	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	1	6	5	3	14	6	3	2	11	1	2	4	10	3
3	5	2	1	2	1	1	2	1	2	1	1	2	2	2	2	4	2	2	4	1	2	3	2	2	2
4	2	0	0	1	1	1	4	1	3	3	9	3	6	14	7	6	5	1	1	3	2	0	0	0	3
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	2	0	1	3	4	2	1	1	1	1	2	1	1	1	1	1	1	1	2	3	2	1
7	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
9	1	1	1	1	1	1	1	1	1	2	0	0	0	0	0	0	2	1	1	0	1	1	0	0	1
10	3	12	10	9	5	7	10	5	5	4	2	****	2	2	2	4	1	3	6	8	8	12	5	10	6
11	3	4	2	2	2	2	4	3	3	2	4	3	1	1	1	1	1	1	0	0	1	1	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	****	1	0	0	0	0	1	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	2	1	1	1	1	2	2	3	6	5	8	4	2	2	0	1	0	0	0	0	2
18	0	2	2	0	0	0	6	3	3	6	2	1	8	1	1	2	2	2	1	2	0	2	3	1	2
19	2	1	1	1	1	0	0	0	1	1	49	6	0	2	3	3	16	15	0	0	0	0	0	0	4
20	0	4	1	3	5	0	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	11	3	0	0	0	0	0	0	0	1
22	1	1	0	0	0	0	0	0	0	0	0	4	8	9	4	2	1	0	0	4	36	24	6	11	5
23	11	1	2	2	1	1	2	3	9	6	6	1	9	1	0	2	3	2	3	4	4	1	1	1	3
24	2	2	2	2	2	2	2	1	4	7	6	0	10	4	2	9	2	16	4	0	0	2	0	12	4
25	0	1	1	0	0	0	0	8	3	****	1	3	4	3	3	2	17	4	5	5	3	14	29	7	5
26	6	1	2	8	6	1	2	15	2	4	5	11	18	6	3	4	14	12	4	6	0	0	0	0	5
27	1	1	1	0	0	1	1	0	****	****	0	0	0	0	10	17	12	9	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	1	1	0
29	1	1	1	2	2	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1
30	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	1	1	1	1	1	1	2	2	2	3	2	3	2	2	3	3	3	1	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - WC NO 29025													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	1	1	1	9	0	4	1	4	24	8	0	0	1	1	1	1
4	1	20	7	3	3	4	5	2	1	1	1	1	2	6	5	4	3	2	3	5	7	3	10	5	4
5	4	6	7	3	5	3	2	3	5	3	3	4	2	2	2	3	3	5	6	2	2	5	3	2	4
6	2	1	1	2	1	5	5	8	1	6	5	1	3	4	4	2	8	2	3	3	3	3	3	2	3
7	2	1	1	2	2	2	2	2	2	5	6	9	8	6	10	4	4	4	5	6	11	10	11	5	3
8	12	19	11	6	4	19	26	19	20	15	25	24	14	18	10	6	3	2	2	1	0	0	1	11	11
9	1	1	1	1	1	1	2	2	1	1	1	1	-	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	19	24	4	9	3
12	4	24	30	8	4	10	1	3	6	22	3	15	39	15	0	0	0	0	1	1	1	0	0	0	8
13	0	8	41	3	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14	- DATA INVALID -																								
15	****	****	****	****	****	****	****	****	****	****	3	4	1	11	9	5	2	2	3	2	3	2	1	2	****
16	-	-	-	-	-	-	-	-	-	-	-	9	12	5	3	12	13	15	8	1	2	1	1	****	
17	1	0	0	0	29	4	3	****	9	6	2	5	6	11	27	33	14	12	4	19	12	8	10	9	10
18	0	3	6	5	2	2	2	2	1	1	2	7	5	11	2	2	1	1	1	1	1	2	2	1	3
19	1	****	****	****	****	****	****	****	****	****	1	0	1	1	1	1	1	0	1	1	1	0	0	****	****
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	1	1	5	13	31	14	4	10	16	16	6	19	31	36	26	41	30	5	1	1	5	13
24	9	2	8	15	0	6	42	4	****	1	22	15	42	14	53	10	39	61	0	1	2	2	2	3	15
25	5	7	8	2	2	2	3	3	2	1	0	****	3	8	2	5	3	1	8	1	1	1	2	1	3
26	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	2	4	3	59	26	16	22	19	38	11	23	12	23	53	5	4	2	1	13
28	2	0	1	1	1	1	5	4	2	1	0	0	0	11	18	24	15	19	3	10	2	1	1	1	5
29	1	4	0	0	1	1	2	3	3	3	2	0	0	5	11	8	12	5	14	16	23	8	1	1	5
30	0	3	3	1	0	0	1	2	5	19	14	12	12	16	27	13	8	24	18	14	7	2	3	2	9
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	4	5	2	2	3	5	4	3	6	5	5	7	6	9	6	7	8	6	7	4	3	2	2	4.8

PERCENTAGE OF DATA VALID - 86.4

PERCENTAGE OF DATA INVALID - 8.6

PERCENTAGE OF DATA UNAVAILABLE - 5.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - WC NO 29025												BARTON/WENTWORTH HAMILTON													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	3	2	1	3	4	7	7	7	6	5	27	21	6	6	11	19	0	6
2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	1	0	6	26	66	6	6	6	42	39	9	16	24	8	28	9	4	6	4	2	2	1	13
8	2	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
10	2	2	2	2	2	3	4	4	26	10	6	13	10	8	6	29	65	3	1	1	1	1	1	1	8
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
13	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	3	6	34	31	10	11	10	25	16	8	15	24	8	9	13	11	8
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	2	3	2	0	0	1	1	0	0	0	0	0	0	0	1	2	1
20	1	1	1	1	1	1	1	1	0	0	1	1	3	5	8	5	5	5	7	19	11	1	2	1	1
21	2	1	1	3	3	14	7	5	5	8	5	4	1	1	0	0	0	0	0	0	0	0	0	0	3
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	5	3	2	1	2	2	2	0	1
24	0	0	0	1	1	3	6	5	3	6	5	5	20	17	19	9	8	2	1	0	0	0	0	0	5
25	0	0	0	0	0	0	0	0	0	11	32	17	11	3	16	39	50	57	19	12	1	2	1	4	11
26	8	0	0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	1	1	1	2
30	2	2	1	1	1	1	1	1	2	9	7	3	4	4	7	10	8	17	11	16	0	0	0	0	4
MEAN	1	1	1	1	1	2	3	1	4	3	4	4	3	4	4	4	7	5	3	2	1	1	1	1	2.5

PERCENTAGE OF DATA VALID - 97.5

PERCENTAGE OF DATA INVALID - 2.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	6	2	4	0	0	6	5	3	3	2	1	1	0	0	0	0	0	1	1	2	2	2	2	2
2	2	2	4	2	2	2	8	19	14	15	9	1	5	12	8	4	3	1	2	2	1	3	4	1	5
3	1	1	2	3	2	2	1	6	9	2	7	1	1	1	2	2	0	0	0	1	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	2	2	2	2	3	3	2	2	2	1	2	2	3	3	6	11	6	2	1	1	1	1	1	1	3
6	1	0	0	0	0	1	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1
7	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	2
8	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
11	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	0	0	0	0	1	0	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2
15	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	20	18	2	6	6	0	2	2	9	0	0	0	0	0	3
17	0	0	0	0	0	0	0	0	0	3	1	6	0	0	0	3	3	0	0	0	0	0	0	0	1
18	0	1	0	0	0	2	2	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
20	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	9	2	2	3	2	3	2	2	2	2	2	2	2	2	2	2	1	2
22	2	2	2	2	1	1	1	2	2	2	2	2	1	1	1	1	1	2	2	2	2	1	1	1	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	2	1	1	1	1
24	1	1	1	1	1	2	2	3	4	2	2	2	3	4	3	4	3	2	2	1	2	3	3	3	2
25	3	3	2	2	1	1	3	15	22	16	21	24	***	1	7	2	3	7	0	0	0	0	0	0	6
26	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
27	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	1	1	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	2	3	5	3	1	0	1	1	2	3	3	2	3	2	1	1
31	1	7	6	2	7	12	9	17	34	18	9	11	11	12	2	***	***	***	***	***	***	***	***	***	***
MEAN	1	1	1	1	1	1	2	3	4	3	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1.7

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - WC NO 29025															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	****	****	****	****	****	****	****	****	0	0	0	****	0	0	0	0	0	0	1	1	1	1	1	*****
2	1	1	1	1	2	2	3	3	2	2	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1
3	1	1	1	1	1	1	2	2	2	3	3	2	1	1	2	2	4	5	2	1	1	0	0	0	2
4	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1
5	1	1	1	1	3	2	2	2	3	10	8	6	9	12	5	3	1	0	1	1	2	2	2	2	3
6	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	1	16	1	1	1	2	2
7	2	2	2	2	2	3	2	2	12	1	1	1	3	3	4	3	3	3	2	2	3	3	1	1	3
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
9	1	1	0	0	0	0	0	0	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
10	1	1	1	1	1	1	1	5	2	20	8	11	11	3	3	3	5	4	5	3	2	2	2	2	4
11	2	2	1	1	1	1	1	2	2	2	2	2	3	11	2	1	2	3	4	1	1	2	1	1	2
12	2	2	2	2	1	2	1	1	1	1	1	1	1	1	8	5	3	1	1	1	1	1	2	2	2
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	4	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	3	3	4	2	2	3	16	1	1	1	1	1	1	8	4	1	1	1	1	3
16	1	1	1	1	1	1	2	2	****	0	1	1	1	1	1	1	1	1	1	2	2	1	0	0	1
17	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
18	1	1	1	1	1	1	1	1	1	3	6	16	5	4	7	4	5	7	7	3	5	3	1	0	4
19	3	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	1	9	17	12	3	5	1	3	1	4	1	0	0	0	0	2
21	0	0	0	0	0	0	1	0	0	4	8	0	23	4	2	3	4	4	5	3	0	0	1	1	3
22	1	1	1	1	0	2	2	****	5	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	21	20	14	33	17	1	1	1	1	1	1	1	1	1	1	5
24	1	2	1	0	0	0	0	0	0	0	0	0	0	0	2	3	1	6	9	17	13	11	9	11	4
25	12	9	7	1	0	0	0	0	0	2	1	1	1	1	1	2	2	4	3	3	2	2	3	2	2
26	1	1	1	1	0	1	0	1	4	5	1	2	2	2	2	2	2	1	0	0	0	0	0	0	1
27	0	2	1	0	1	5	0	1	2	2	3	1	2	2	1	0	0	0	0	1	0	1	2	1	1
28	2	1	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1	0	0	0	0	0	0	0	1	1	0
30	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0
31	11	2	0	0	1	9	1	0	0	3	2	4	5	2	4	2	2	2	2	1	1	1	1	1	2
MEAN	2	1	1	1	1	1	1	1	2	3	3	3	4	3	2	2	1	2	2	2	1	1	1	1	1.8

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - WC NO 29025															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	1	1	1	0	3	3	1	0	10	5	1	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
3	0	2	0	0	0	0	0	1	1	3	0	0	1	4	3	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	0
5	1	1	1	2	1	1	1	1	1	1	1	2	6	2	2	2	1	1	2	1	1	1	1	1	1
6	1	1	0	0	1	1	1	2	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	1	1	1	2	1	1	1	4	3	2	2	3	2	1	1	1	1	1	1	1	1
8	1	1	0	0	1	1	1	1	1	2	2	3	1	1	2	1	4	0	0	0	1	1	1	0	1
9	0	1	1	0	0	0	0	0	1	3	2	1	0	0	0	0	0	0	0	0	1	0	1	1	1
10	1	1	0	0	1	1	1	1	2	2	5	4	4	0	0	18	1	5	0	0	0	0	1	1	2
11	1	2	2	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0
12	0	0	0	0	1	1	2	6	10	3	7	6	3	1	1	1	1	1	1	1	1	2	1	2	2
13	3	2	2	3	2	1	2	1	1	0	0	2	1	1	2	1	1	2	1	1	1	1	1	0	1
14	0	0	0	0	1	2	3	3	6	2	1	1	***	0	1	1	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	1	1	2	1	5	6	0	0	0	0	1	1	1	1	1	1	0	1	0	0	1	2	1
18	2	2	1	3	2	0	1	1	3	2	2	1	4	5	5	5	4	3	3	6	7	4	3	2	3
19	2	1	1	1	1	1	1	1	2	5	3	3	5	2	2	1	2	2	1	2	2	2	1	2	2
20	2	2	2	1	1	1	3	3	4	16	25	9	4	16	4	3	19	11	6	6	1	1	5	3	6
21	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	10	4	***	2	2	2	1	2	2	1	3	2	0	0	0	0	1
23	0	0	0	1	0	0	1	1	2	4	3	6	12	3	1	0	0	0	0	0	0	1	1	1	2
24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	3	1	0
26	0	0	0	0	0	1	1	1	***	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	1	2	4	2	3	1	1	1	2	0	0	0	1	1
29	1	1	1	1	1	1	2	3	2	1	0	1	1	1	1	1	0	1	1	1	1	1	3	3	1
30	2	1	2	2	1	1	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION												
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON												MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	2	1	1	1	1	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1
3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	3	3	1	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	2	2	2	1	0	0	1	1	0	0	0	1	2	1	1	2	1	1	1
8	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	1	1	1	1	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	5	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
22	1	1	1	0	0	0	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	0	0	0	0	1	1	1	1	2	2	1	1	1	2	3	3	4	4	4	4
24	3	3	3	2	2	3	3	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2
25	2	2	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2
26	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	2	2	2	1	0	1	0	0	1	1	1	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	3	2	3	2	2	2	3	2
31	2	2	2	1	2	1	1	2	1	2	1	2	3	1	3	3	2	2	2	4	5	6	6	3
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 93.1

PERCENTAGE OF DATA INVALID - 6.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.8	4	16
FEB	28	0.3	2	12
MAR	28	1.0	5	24
APR	30	1.9	6	49
MAY	24	4.8	15	61
JUN	29	2.5	13	66
JUL	29	1.7	6	34
AUG	30	1.8	5	33
SEP	30	1.1	6	25
OCT	2	0.7	1	4
NOV	20	1.1	11	25
DEC	28	0.9	2	15
YEAR	309	1.6	15	66

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - WC NO 29025

BARTON/WENTWORTH HAMILTON

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO 100	101 TO 300	301 TO 500	501 & OVER	TOTAL
JAN	734	7	0	0	0	0	0	0	741
FEB	667	2	0	0	0	0	0	0	669
MAR	678	10	1	0	0	0	0	0	689
APR	688	21	1	3	0	0	0	0	713
MAY	552	55	18	14	4	0	0	0	643
JUN	659	24	7	9	3	0	0	0	702
JUL	694	19	3	2	0	0	0	0	718
AUG	708	20	2	1	0	0	0	0	731
SEP	709	6	1	0	0	0	0	0	716
OCT	57	0	0	0	0	0	0	0	57
NOV	474	10	5	0	0	0	0	0	489
DEC	692	1	0	0	0	0	0	0	693
YEAR	7312	175	38	29	7	0	0	0	7561

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

86.3

MIN

10

30

FREQUENCY DISTRIBUTION,  
50 70 90

PERCENT

95

98

99

MAX

ARITH  
MEAN

66 1.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SE NO 56051

MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	5	3	3	4	3	6	3	2	1	1	0	0	2	1	0	0	0	2	3	0	0	0	3	2
5	1	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	2	2	0	3	0	0	0	0	0	1
8	0	0	0	1	1	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	2	2	3	4	2	2	0	1	2	2	2	3	1	2	4	5	5	3	2
10	3	7	4	3	2	1	2	2	3	3	2	0	2	1	1	2	2	2	2	2	2	0	1	2	2
11	1	1	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0
12	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13																									
14																									
15																									
16																									
17																									
18																									
19	4	4	4	4	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	4	4	4	4	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	20	13	8	6	14	8	9	12	15	5
22	9	5	4	4	2	1	3	4	2	1	0	1	2	0	0	0	5	2	4	3	6	8	2	3	3
23	2	2	3	2	2	1	1	1	1	1	6	6	4	2	1	1	1	1	1	2	4	2	5	3	2
24	3	0	4	4	0	3	3	6	4	0	0	0	0	0	3	6	4	0	0	0	0	0	6	3	2
25	0	0	0	0	0	0	0	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	2	4	3	4	5	12	11	5	4	0	0	0	2	0	2
27	0	0	0	0	0	0	0	0	0	0	8	0	2	0	0	0	0	0	6	0	5	2	3	4	1
28	3	7	7	6	14	15	10	0	0	0	0	0	0	0	0	5	4	1	0	0	0	0	0	0	3
29	0	4	7	2	1	2	4	3	4	1	0	0	2	2	2	2	2	0	0	0	2	1	3	5	2
30	4	2	3	0	4	3	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	2	2	2	1	1	1	2	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	3	3	1.7

PERCENTAGE OF DATA VALID - 73.0

PERCENTAGE OF DATA INVALID - 27.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS																	UNITS - PARTS/BILLION									
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL																	MONTH - FEB 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	10	7	5	6	6	6	4	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	2		
2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	***	0	0	3	3	0	0	0		
3	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	2	2	7	12	17	2		
4	3	7	2	2	3	3	14	8	6	4	3	3	3	0	1	1	0	0	1	1	2	2	0	9		
5	3	2	4	1	4	2	2	3	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	1		
6	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8	0	0	0	0	0	0	2	1	1	0	0	3	3	1	0	0	6	15	11	16	9	11	9	7		
9	9	14	10	9	6	9	3	3	1	4	6	11	14	12	2	3	0	4	3	0	0	0	0	5		
10	2	1	2	1	1	1	1	4	8	3	0	0	0	0	0	0	0	0	5	2	2	2	3	6		
11	5	5	6	4	5	2	2	3	3	4	3	***	***	***	3	2	1	0	6	10	7	4	7	3		
12	9	11	5	4	3	4	6	3	2	3	2	2	3	6	4	4	6	5	0	2	3	0	1	0		
13	2	2	0	0	0	0	0	0	0	0	0	2	1	1	0	1	0	0	0	0	0	2	2	1		
14	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	2	1		
15	4	3	35	12	0	0	2	3	2	1	4	5	2	2	0	0	0	3	4	4	1	0	0	0		
16	0	0	0	2	2	2	2	2	1	0	0	4	9	0	0	2	0	1	0	0	0	0	0	1		
17	0	0	0	1	0	1	0	1	0	2	2	0	0	2	3	1	1	4	5	3	4	3	3	2		
18	3	2	3	3	1	1	0	0	1	2	4	2	4	2	6	2	3	3	2	3	3	2	2	3		
19	3	0	0	0	7	12	6	3	3	4	2	2	2	1	2	0	0	0	1	1	2	5	3	2		
20	0	3	5	8	12	13	9	5	3	***	3	3	0	0	0	0	0	0	8	1	1	2	1	3		
21	5	5	6	7	9	0	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	1	2		
22	0	0	0	1	1	1	0	1	1	0	0	0	1	1	0	4	5	19	7	7	4	4	18	2		
23	2	0	0	0	0	16	49	24	15	16	20	11	8	14	7	1	1	1	3	3	2	2	1	8		
24	5	5	2	2	2	3	3	3	5	5	4	4	4	4	5	4	6	5	6	4	4	0	0	4		
25	1	2	1	1	4	4	6	6	4	3	6	0	0	0	0	0	0	8	8	5	6	6	4	3		
26	5	4	3	4	3	5	4	4	2	4	4	3	4	4	1	0	0	0	0	0	0	0	0	2		
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	3	4	3	1		
28	4	0	0	0	0	7	9	11	7	***	-	-	2	3	2	2	2	2	2	7	6	5	6	3		
MEAN	3	3	3	2	3	3	4	3	2	2	3	2	2	2	1	1	1	2	3	3	3	2	3	2.5		

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	4	6	9	8	4	2	3	1	3	5	7	5	6	4	4	4	6	9	9	6	5	1	3	5
2	0	1	0	0	0	0	0	0	1	2	2	1	2	3	5	7	8	8	7	12	12	8	7	7	4
3	7	18	9	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
5	1	4	1	0	5	2	1	0	0	0	1	4	7	4	0	0	0	4	10	10	4	7	13	9	3
6	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	1	2	1	1	0	0	1
7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	1	2	2	3	6	10	7	4
8	14	12	10	5	1	7	9	10	7	4	8	11	0	0	0	3	2	0	3	6	7	5	3	4	5
9	5	10	13	11	9	12	4	3	3	2	2	1	2	2	3	2	3	4	4	3	3	9	2	4	5
10	6	5	4	5	4	1	1	0	1	0	0	5	11	3	9	0	0	0	0	0	0	0	0	0	2
11	0	0	0	3	4	10	0	2	23	42	0	0	5	5	1	1	2	2	1	2	2	2	2	0	5
12	0	1	1	2	4	4	1	3	2	0	1	2	2	0	0	0	0	0	0	0	0	2	2	2	1
13	0	0	0	0	0	0	1	0	0	3	4	***	2	1	1	1	2	2	2	4	3	4	4	3	2
14	0	0	0	2	0	0	0	0	0	1	1	0	0	0	0	0	0	1	3	4	3	3	3	1	1
15	5	9	22	11	0	1	1	0	0	0	0	0	0	1	0	2	1	0	0	1	0	0	0	0	2
16	0	0	0	0	1	0	0	0	0	4	6	1	2	4	2	4	1	16	1	0	0	0	0	0	2
17	0	0	0	0	0	0	0	0	0	0	0	1	0	0	***	0	2	3	3	0	0	0	0	0	0
18	2	2	3	3	4	2	3	10	11	11	3	4	4	3	2	2	1	2	2	3	0	0	0	0	3
19	0	0	0	0	0	0	0	0	1	4	14	13	11	7	8	20	0	0	0	0	0	0	0	0	3
20	0	0	0	0	0	0	0	0	0	0	2	0	1	2	0	0	0	0	0	5	5	0	4	0	1
21	0	0	0	0	11	18	4	0	0	-	1	1	2	0	11	11	2	0	0	0	0	0	1	0	3
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	32	9	5	2	1	0	0	0	0	2
23	0	0	0	0	6	1	0	0	0	2	10	10	8	1	1	1	1	2	2	0	0	0	1	1	2
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	8	3	0	0	1	
25	0	0	0	1	0	0	0	0	0	1	2	4	4	0	0	0	1	1	0	0	0	2	2	2	1
26	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	29	36	5	0	0	3	
29	1	2	2	2	3	3	11	12	35	15	24	3	1	0	0	0	0	0	0	0	0	1	0	0	5
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	1	10	0	0	0	0	2	1	
31	2	2	2	0	1	4	4	0	0	0	0	0	0	0	0	2	4	3	0	0	0	0	0	0	1
MEAN	2	2	2	2	2	2	1	1	3	3	3	2	2	1	2	3	2	2	3	3	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	1	5	6	4	0	1	0	1	1	0	0	2	4	4	3	5	5	6	4	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	7	11	4	4	2	0	0	0	2	16	36	10	0	0	0	0	0	0	0	0	0	0	0	4
5	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	4	1	0	0	0	0	0	0	0	0	0	4	5	7	1
7	2	1	1	0	0	0	0	0	0	10	6	5	11	7	1	0	0	1	0	0	0	0	0	0	2
8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	4	2	3	6	5	6	2	4	4	2
10	1	0	0	0	0	0	2	0	1	3	2	1	1	1	0	0	0	0	0	0	0	2	5	1	1
11	1	8	5	0	0	3	0	0	0	0	0	0	0	0	4	0	1	6	3	2	4	4	8	7	2
12	2	2	3	1	3	4	7	5	5	9	7	13	18	14	8	4	4	0	0	0	0	1	4	0	5
13	0	2	0	0	0	0	3	1	2	.....	.....	.....	.....	.....	0	0	0	0	0	0	0	0	1	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	1	0
15	1	2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6	2	15	16	0	0	0	7	6	5	4
19	3	0	2	2	0	0	0	0	0	25	26	0	0	15	14	9	8	0	0	0	0	0	0	0	3
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	6	6	6	6	2
21	6	6	6	7	8	10	8	7	7	7	7	6	6	5	5	5	9	9	7	12	8	11	15	6	8
22	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	5
23	6	6	6	6	5	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	7	6	6	6	5
24	9	6	6	6	6	6	4	4	.....	.....	.....	0	3	2	1	1	1	1	2	3	3	5	2	2	3
25	2	2	2	2	2	2	2	2	2	3	3	1	2	2	1	1	2	2	8	5	5	5	5	5	3
26	5	4	3	3	3	5	3	3	7	5	10	3	2	3	3	3	3	4	3	3	3	3	3	3	4
27	3	3	3	3	3	3	3	3	2	2	2	2	3	3	5	3	3	11	9	8	5	5	5	5	4
28	5	5	5	3	3	3	3	3	3	5	6	.....	.....	.....	.....	.....	2	2	2	2	2	2	2	2	3
29	3	3	8	13	22	11	5	4	10	7	5	3	2	1	1	1	1	1	1	1	1	1	1	1	4
30	1	1	1	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	1	1	0	0	0	0	1
MEAN	2	2	2	2	2	2	2	2	2	3	4	3	3	3	2	2	2	2	2	2	2	3	2	2.3	

PERCENTAGE OF DATA VALID - 97.5 PERCENTAGE OF DATA INVALID - 2.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	1	2	2	****	1	1	2	2	2	2	2	2	2	2	2	3	2	1	2	
2	2	3	3	2	2	3	1	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2
3	2	2	2	8	7	3	2	2	7	4	5	5	3	2	2	3	2	2	2	2	3	2	2	2	3
4	2	2	3	3	2	2	2	2	2	3	3	5	9	5	9	4	2	2	2	2	3	8	3	3	3
5	5	5	5	5	4	4	4	4	4	4	3	2	2	2	2	2	3	3	3	4	4	5	5	4	4
6	5	8	8	4	4	4	3	4	4	4	5	5	5	5	4	4	4	4	16	22	12	10	8	5	7
7	8	5	4	5	6	7	5	6	6	9	6	5	5	4	4	5	6	5	5	5	5	5	5	5	5
8	7	10	9	8	6	3	4	****	****	****	****	1	0	0	0	0	0	0	0	0	0	0	0	0	2
9	0	0	1	0	0	2	0	0	0	0	0	0	3	0	0	6	3	6	0	5	6	3	9	8	2
10	8	8	8	9	3	5	1	1	3	3	3	3	2	1	0	0	3	1	0	2	0	0	0	0	3
11	3	0	8	15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	10	0	0	0	2	2
12	0	0	2	2	2	0	0	3	0	0	0	0	5	2	3	1	1	0	0	0	3	16	4	1	2
13	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	1	0	0
14	1	0	0	14	20	13	0	0	0	1	15	2	0	5	0	0	0	0	0	0	0	2	3	2	3
15	22	0	0	0	0	0	0	0	0	****	****	11	0	3	2	1	2	10	1	7	1	0	0	0	3
16	0	0	1	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	10	25	6	0	2
17	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	4	26	3	1	0	2	1	3	2
18	3	2	2	4	5	4	3	3	2	8	4	3	3	2	0	0	0	0	0	10	15	7	20	9	11
19	13	11	8	9	5	5	5	6	3	3	3	3	14	12	7	8	15	15	10	8	12	24	20	10	5
20	7	16	9	10	8	6	4	5	4	4	12	15	12	10	17	3	3	3	2	21	5	10	18	5	9
21	8	10	17	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	7	5	3
22	5	7	8	14	6	6	10	8	14	12	0	0	0	0	0	0	0	0	0	9	9	12	10	6	6
23	0	12	11	5	12	12	5	5	****	****	6	13	5	4	4	7	3	9	7	11	5	5	5	4	7
24	5	9	6	17	15	7	4	6	6	5	26	17	9	5	3	2	2	2	3	3	3	4	3	3	7
25	5	27	12	12	21	1	4	1	2	2	2	2	4	2	2	3	3	4	12	5	25	25	20	9	9
26	24	24	11	4	6	0	1	3	3	5	7	5	1	0	0	5	0	3	1	2	3	9	3	3	5
27	0	0	0	1	2	3	11	10	16	14	8	9	5	0	0	4	7	10	10	1	4	17	1	0	6
28	5	3	13	11	6	6	5	6	14	5	4	2	6	1	1	1	9	16	10	7	1	0	0	0	6
29	1	2	2	5	8	9	11	11	23	37	8	9	1	0	0	8	25	14	2	2	13	12	14	22	10
30	8	24	17	15	10	2	0	0	0	****	****	****	0	1	2	2	1	0	2	2	0	0	0	0	4
31	1	1	0	0	1	2	3	4	5	4	10	4	5	4	37	6	9	5	59	75	15	32	32	1	13
MEAN	5	6	5	6	5	4	3	3	4	5	5	4	3	2	3	3	4	4	5	7	5	8	6	4	4.7

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	2	6	6	4	2	2	3	5	9	5	2	1	1	1	1	1	1	2
2	1	1	2	2	2	2	2	3	4	4	4	4	8	16	17	15	11	11	7	7	7	8	12	11	7
3	13	13	14	11	1	1	1	3	5	11	6	5	3	3	3	2	0	0	0	0	0	0	0	0	4
4	0	0	0	0	0	0	0	0	0	0	2	2	2	3	8	14	13	9	9	6	2	0	0	0	3
5	0	0	0	6	2	1	1	4	3	----	----	2	5	1	0	0	0	0	0	1	4	3	0	0	2
6	2	6	15	23	12	8	3	4	4	2	2	3	2	2	2	1	2	4	9	10	13	1	0	2	5
7	3	5	2	1	15	7	0	2	2	2	1	2	4	7	8	5	5	0	0	0	0	2	7	2	3
8	6	3	0	2	7	17	8	8	6	5	4	4	7	6	13	10	10	0	0	0	0	0	0	0	5
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	6	5	3	2	1	0	0	0	2	2	1
10	0	0	0	0	0	0	0	1	2	2	1	2	2	1	0	2	3	2	4	2	0	0	0	0	1
11	0	1	0	0	1	0	8	6	3	3	2	2	2	2	6	6	4	7	10	13	12	21	8	3	5
12	2	0	0	0	0	1	1	0	3	1	3	3	5	4	2	2	10	5	0	0	0	5	10	3	3
13	0	0	0	3	6	6	4	2	2	4	6	4	1	1	1	1	0	0	0	0	0	1	4	2	2
14	2	2	0	1	3	2	0	----	----	0	1	1	1	1	1	1	1	2	3	4	1	0	4	3	2
15	1	3	2	5	1	1	1	1	2	1	1	0	1	1	0	1	1	0	0	6	3	7	2	8	2
16	21	12	0	9	5	1	2	1	0	0	0	0	0	0	1	1	1	0	0	6	1	0	0	3	3
17	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0
18	0	0	6	2	2	3	3	1	6	5	13	21	11	18	10	5	5	7	6	7	6	6	9	15	7
19	17	10	9	8	7	4	1	3	7	2	4	8	4	3	1	0	0	0	0	0	0	0	8	12	5
20	14	13	10	10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	4	3	3	4	3	3	2	2	3	3	3	3	3	4	4	4	4	3	3	3	2	3	3	3	3.3

PERCENTAGE OF DATA VALID - 63.3

PERCENTAGE OF DATA INVALID - 36.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4	----	----	----	----	----	----	----	----	----	----	5	7	3	2	1	1	0	0	0	0	1	1	1	4	-----
5	3	1	3	14	7	1	2	3	12	10	15	6	8	5	7	10	14	20	15	11	5	6	8	10	8
6	13	19	20	13	14	11	5	5	----	3	3	3	4	13	9	9	6	20	6	15	15	2	10	12	10
7	20	12	21	2	16	10	14	6	4	3	4	7	9	10	8	14	14	5	3	10	6	20	11	25	11
8	22	3	9	2	0	0	0	0	0	3	4	5	4	3	3	3	0	0	0	0	1	16	12	0	4
9	3	5	7	11	14	10	8	8	11	7	8	6	2	1	8	8	9	5	11	1	0	0	1	1	6
10	7	15	8	4	13	1	1	2	1	15	24	14	11	20	1	0	0	0	0	0	0	0	0	0	6
11	0	0	0	0	0	0	0	0	1	1	2	2	2	----	----	----	----	----	----	----	----	----	----	----	----
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	10	8	10	7	9	5	4	3	5	6	8	6	5	8	5	6	6	7	5	5	4	6	6	7	6.4

PERCENTAGE OF DATA VALID - 22.8

PERCENTAGE OF DATA INVALID - 42.2

PERCENTAGE OF DATA UNAVAILABLE - 34.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	21	1.7	5	20
FEB	28	2.5	8	49
MAR	31	2.1	5	42
APR	30	2.3	8	36
MAY	31	4.7	13	75
JUN	19	3.3	7	23
JUL	6	6.4	11	25
AUG		DATA UNAVAILABLE		
SEP		DATA UNAVAILABLE		
OCT		DATA UNAVAILABLE		
NOV		DATA UNAVAILABLE		
YEAR	166	3.0	13	75

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO 100	101 TO 300	301 TO 500	501 & OVER	TOTAL
JAN	530	13	0	0	0	0	0	0	543
FEB	628	26	1	2	0	0	0	0	657
MAR	705	26	3	5	0	0	0	0	739
APR	682	16	3	1	0	0	0	0	702
MAY	643	65	17	4	2	0	0	0	731
JUN	421	31	4	0	0	0	0	0	456
JUL	128	38	4	0	0	0	0	0	170
AUG		DATA UNAVAILABLE							
SEP		DATA UNAVAILABLE							
OCT		DATA UNAVAILABLE							
NOV		DATA UNAVAILABLE							
YEAR	3737	215	32	12	2	0	0	0	3998

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
78.6	0	0.0	0.0	0.8	2.8	7.8	11.4	15.9	21.0	75	3.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL													MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1	5	1	0	4	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	1
5	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	1	0	2	3	1	0	0	2	1
8	1	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	1	4	2	6	6	4	1	1	0	0	0	0	0	1	5	7	9	10	7	3
10	4	8	5	3	2	1	1	1	2	3	4	2	1	1	1	1	0	0	0	0	0	0	0	0	2
11	0	1	3	3	2	0	1	0	7	6	0	0	1	0	1	0	0	2	3	3	1	1	2	0	2
12	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
13	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	1	2	2	3	3	5	5	3	8	5	3	0	0	0	0	5	6	2	2	0
16	4	7	6	3	2	3	4	2	1	11	6	7	10	4	2	4	3	2	1	2	3	2	0	0	4
17	0	0	1	2	0	0	0	2	3	3	1	6	10	0	0	0	0	1	2	0	0	0	0	1	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	3	2	0	1	7	
19	14	28	22	31	29	12	10	1	5	8	8	4	4	0	0	5	5	2	1	2	2	3	3	2	8
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	14	13	15	12	5	5	5	2	1	3
22	0	0	0	0	0	2	3	0	0	0	0	2	3	1	0	0	0	1	1	3	7	10	5	2	0
23	4	2	4	5	5	2	0	0	0	0	5	11	9	3	1	0	0	0	0	1	2	3	2	0	2
24	1	4	2	1	3	1	2	1	1	1	1	0	0	0	2	3	3	25	28	1	1	4	6	13	4
25	19	0	0	0	0	0	0	0	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	2	1
26	1	1	0	0	0	0	0	0	0	0	2	4	2	3	6	19	14	8	3	0	2	2	3	7	3
27	8	8	4	3	3	6	7	8	9	8	14	9	13	10	9	13	9	9	15	1	0	5	17	19	9
28	20	21	20	18	15	19	16	11	11	2	1	0	1	1	0	0	0	0	1	2	1	1	2	3	7
29	1	0	0	0	0	0	2	5	5	3	4	4	5	6	6	6	5	5	3	0	1	7	6	3	0
30	11	0	1	3	0	0	2	8	13	13	10	4	3	4	54	3	0	1	1	2	1	8	0	0	6
31	0	6	8	18	34	2	4	2	2	13	7	10	9	5	1	3	0	5	6	6	4	1	0	2	6
MEAN	3	3	2	3	3	2	2	2	2	3	2	2	2	2	3	3	1	2	3	1	1	2	2	3	2.1

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION											
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL													MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	1	0	0	0	5	16	10	5	1	3	1	1	0	0	1	1	0	1	8	24	25	2	3	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	0	3	4	3	3	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	2	1	4	3	8
4	12	7	9	8	5	4	13	7	1	3	4	4	3	3	3	1	0	1	0	8	11	5	9	5
5	7	6	4	2	3	1	1	1	0	1	13	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	1	2	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	2	3	2	2	3	2	2	4	9	3	3	2	1	3	4	3	2	35	29	1	3	2	2	7
11	1	3	5	5	4	2	1	2	6	11	8	7	11	11	8	6	4	2	14	9	10	5	7	5
12	12	16	2	3	2	8	8	13	9	7	10	9	6	10	13	8	12	4	4	5	5	3	2	7
13	3	2	3	3	3	2	4	3	1	2	1	3	3	2	2	0	0	0	0	0	0	0	0	2
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	3	2	48	12	1	2	0	2	3	0	1	7	2	0	0	0	0	4	5	5	3	1	0	0
16	0	0	0	0	0	0	1	2	2	0	0	2	7	1	1	0	0	1	0	0	0	0	0	1
17	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	0	0	0	11	0	0	0	0	0
18	0	1	2	3	0	0	1	0	1	2	2	3	15	0	6	5	7	4	0	1	0	0	0	5
19	5	2	0	1	4	12	9	5	4	6	2	2	2	0	1	0	2	3	1	1	0	4	4	3
20	1	0	0	2	2	3	4	7	4	9	9	0	1	0	0	0	0	0	12	8	5	5	4	5
21	3	2	6	11	11	3	4	0	1	4	2	1	0	0	0	0	0	0	1	2	1	0	0	2
22	3	3	3	5	9	7	3	5	6	4	1	2	4	4	15	19	25	7	12	2	4	19	12	7
23	1	1	1	3	16	47	47	30	23	23	34	26	27	29	15	1	1	0	0	0	0	0	0	14
24	3	7	4	3	3	5	4	4	4	0	9	6	6	9	12	10	10	15	4	10	1	2	0	6
25	3	2	1	3	3	4	11	7	3	1	3	2	1	1	1	2	3	1	7	11	10	8	7	7
26	5	6	3	3	5	2	1	0	1	5	6	4	5	6	3	0	0	0	0	0	0	0	0	2
27	1	0	0	0	2	1	1	3	1	2	1	1	0	5	3	1	8	3	0	2	1	1	3	3
28	5	0	0	0	1	3	6	8	6	2	1	2	4	2	2	0	0	0	8	2	2	7	15	7
MEAN	3	2	3	2	3	4	5	4	3	3	4	4	5	4	3	2	3	4	4	4	4	2	3	3

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION												
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL														MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	3	6	10	7	1	0	1	****	****	****	8	3	4	3	2	5	7	7	6	7	8	2	3		
2	1	1	0	1	1	1	1	1	2	3	2	2	1	4	3	6	8	6	10	11	12	7	6	9		
3	2	4	3	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	0	0	0	0	0	0	0	1	1	1	1	4	4	6	2	1	0	0	0	0	0	0	1	0		
5	1	1	6	1	1	0	3	4	6	3	6	9	6	3	0	0	0	4	7	8	4	7	17	13		
6	1	9	3	1	13	10	11	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2		
7	0	1	2	2	1	0	0	1	1	1	2	****	1	7	8	2	1	1	2	0	0	12	9	9		
8	17	8	6	14	14	3	5	1	4	3	10	14	1	2	0	5	3	3	5	2	2	3	11	3		
9	0	1	1	0	0	1	5	4	0	0	1	1	1	2	1	3	4	2	2	0	0	10	7	8		
10	12	6	1	3	1	3	1	4	6	1	0	5	8	8	13	1	0	0	0	0	0	0	0	0		
11	0	0	0	3	7	26	3	5	13	40	2	1	4	5	3	2	1	2	1	3	3	2	1	3		
12	3	1	2	4	5	6	5	6	4	4	6	7	5	0	0	0	0	0	0	1	3	5	2	3		
13	0	2	6	2	2	1	2	0	1	3	4	11	2	1	****	3	0	0	0	0	1	2	1	3		
14	1	0	2	2	0	0	0	0	0	0	0	2	1	3	6	1	7	14	4	1	1	1	1	2		
15	5	14	29	15	1	0	0	1	0	0	0	0	1	3	1	3	2	4	2	2	2	1	0	0		
16	0	0	0	0	0	0	0	0	0	3	8	2	3	6	2	3	1	17	6	0	0	0	0	0		
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	4	9	5	5	4	4		
18	2	2	2	0	0	1	2	8	13	9	7	10	4	4	2	1	1	0	0	0	1	3	2	0		
19	2	2	0	2	2	1	0	0	1	5	17	21	15	7	15	27	3	2	1	0	1	1	1	1	2	
20	2	2	2	1	1	2	0	0	0	0	1	4	3	5	7	0	0	0	0	1	1	2	3	5	1	
21	0	0	0	0	0	14	2	0	0	1	2	2	3	0	2	****	****	2	2	2	2	2	4	0	0	
22	1	2	1	2	3	4	1	0	0	1	5	13	21	23	7	2	15	7	1	1	2	1	0	0	0	
23	0	0	0	0	3	0	0	0	1	0	0	0	0	0	7	2	1	2	0	3	2	1	1	1	1	
24	0	1	1	0	1	0	0	0	0	0	1	1	3	3	4	3	3	3	7	10	7	0	0	0	0	
25	0	0	0	1	0	0	0	0	0	2	3	5	2	0	0	0	1	1	0	0	0	0	1	1	1	
26	1	0	0	0	4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	2	1	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
28	1	1	0	1	0	0	0	0	0	0	0	0	0	0	****	****	0	7	41	17	4	6	8	2	2	
29	4	8	2	3	4	4	9	23	84	2	14	7	3	1	0	0	0	1	1	1	1	1	2	2	7	
30	1	1	3	2	1	2	3	1	0	0	0	0	0	0	3	4	0	3	1	0	0	0	0	4	1	
31	1	1	0	1	4	5	5	0	0	0	0	0	0	0	2	5	7	8	2	1	1	0	0	0	0	
MEAN	2	2	3	2	2	3	2	2	5	3	3	5	3	3	3	3	3	3	3	3	2	3	3	2	2	

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION										
		STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL														MONTH - APR 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	6	13	5	13	3	7	1	1	1	1	1	6	6	3	3	8	7	8	4	2	4
2		2	3	4	5	3	4	2	2	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	1
3		0	0	0	0	1	2	7	5	3	3	0	0	0	0	0	0	0	0	3	0	0	0	2	0	1
4		1	5	12	4	6	3	1	1	1	6	27	34	21	0	0	0	0	1	1	1	3	1	1	1	6
5		1	3	3	2	6	4	3	1	1	2	2	2	1	1	1	0	0	1	5	8	3	3	1	1	2
6		1	1	1	0	0	0	0	0	1	1	2	1	2	0	0	0	0	0	1	1	1	3	6	2	1
7		2	2	3	6	4	1	1	1	1	12	3	6	11	6	***	1	1	5	1	1	1	2	2	2	3
8		1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	3	3	2	1	1	1	1	1	1	1
9		1	1	1	1	1	1	1	1	1	1	1	0	1	1	7	4	5	5	7	8	10	8	6	9	3
10		2	4	2	1	1	2	2	1	2	2	1	2	1	1	1	1	1	1	1	1	1	2	2	5	2
11		4	12	11	2	2	7	2	1	2	1	2	2	2	2	7	2	2	13	6	4	3	4	8	10	5
12		6	4	2	2	6	7	9	9	11	17	10	24	31	26	26	6	4	10	15	2	2	3	5	1	10
13		1	1	2	2	2	1	4	3	2	3	3	3	2	2	2	2	2	2	2	2	3	3	3	4	2
14		3	3	3	3	3	3	2	3	1	1	1	***	***	0	0	1	1	2	2	1	1	1	1	1	1
15		1	1	1	1	1	1	1	1	1	2	3	4	2	3	2	3	2	1	3	3	4	2	1	1	2
16		1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	8	13	3	3	2	2	3
17		2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	3	3	3	3	2
18		2	2	2	2	2	2	2	2	2	2	2	2	2	7	3	9	17	2	2	2	14	7	6	6	4
19		3	2	4	4	3	2	2	2	2	41	22	3	3	21	18	12	16	2	2	2	2	2	2	2	7
20		2	2	2	2	2	2	2	2	2	2	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21		2	2	3	13	2	3	3	2	3	3	2	2	2	2	2	2	4	5	5	6	3	5	16	3	4
22		2	1	1	1	1	1	2	2	1	1	1	1	2	2	2	2	1	2	1	2	1	3	3	3	2
23		4	4	4	3	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	3	4	7	3
24		6	4	3	3	4	4	2	2	5	2	***	***	***	0	0	0	0	0	0	0	1	0	11	2	0
25		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	3	4	2	2	0	1
26		0	2	1	0	5	1	11	1	5	4	7	5	1	3	3	4	3	2	2	2	2	2	2	1	3
27		1	2	2	2	1	1	1	1	7	1	1	1	1	1	3	1	1	2	6	5	5	3	3	2	2
28		4	4	5	4	2	2	2	2	7	***	5	3	2	0	0	0	0	0	0	0	0	0	0	0	2
29		2	2	8	14	24	38	9	6	9	7	6	11	2	1	1	0	0	0	0	0	0	0	0	0	6
30		0	2	1	1	0	0	1	1	1	1	1	0	2	1	1	1	0	1	1	1	2	1	2	2	1
MEAN		2	2	3	3	3	4	3	2	3	5	4	4	3	3	3	2	3	2	3	3	3	3	3	3	2.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	1	0	0	0	1	4	****	2	0	0	2	1	1	1	4	2	1	1	1	2	2
2	2	10	2	1	1	1	1	1	1	1	1	2	0	2	1	1	2	2	2	1	1	1	1	1	2
3	0	0	1	8	8	0	1	1	4	3	2	0	2	2	1	2	0	0	0	0	0	3	1	1	2
4	1	5	2	1	1	1	1	0	1	3	1	1	3	2	1	2	0	0	0	0	1	7	6	1	2
5	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
6	1	2	12	5	4	0	2	1	2	3	2	2	2	2	1	1	2	1	16	21	12	14	6	3	5
7	2	3	10	15	4	2	0	2	4	4	2	1	0	1	1	1	5	3	2	1	10	8	2	3	4
8	5	11	12	9	3	0	3	2	2	2	2	2	7	2	3	7	2	5	15	3	5	8	3	2	4
9	1	3	3	2	2	4	2	2	2	4	2	2	7	2	3	7	2	5	15	3	5	8	3	2	4
10	2	4	3	2	4	5	5	4	8	6	7	5	3	4	3	3	1	3	2	2	3	3	3	2	4
11	-	-	-	-	-	-	-	-	-	****	3	3	5	4	6	3	3	3	4	16	11	3	3	3	*****
12	2	3	4	4	4	4	4	7	4	3	3	3	5	4	7	6	5	4	4	4	18	7	4	5	5
13	4	9	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	
14	4	4	3	16	35	24	3	3	3	3	21	4	2	4	2	2	2	2	2	2	2	3	4	6	
15	40	1	1	1	1	1	1	1	1	1	3	20	15	2	5	7	5	4	15	5	16	6	3	4	7
16	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	24	9	0	2	
17	0	1	0	2	0	0	0	0	1	0	0	0	0	0	0	2	20	4	3	3	5	11	6	2	3
18	2	1	1	1	4	3	3	2	0	6	5	4	3	4	0	0	0	6	7	8	5	6	3	3	
19	2	1	1	1	0	0	3	3	0	2	1	3	13	13	7	9	12	15	5	7	10	9	2	5	
20	18	10	4	4	4	4	4	4	2	3	3	13	16	12	6	16	2	2	4	24	7	16	16	0	8
21	2	2	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	4	2	1	0	2
22	3	0	1	10	2	2	7	7	7	6	1	0	0	0	0	0	0	0	12	7	2	3	7	3	
23	18	26	31	14	5	10	11	9	6	2	25	12	7	2	***	7	9	11	13	29	24	30	39	23	16
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	12	5	6	14	30	26	8	3	3	5	5	3	6	7	4	7	5	10	26	63	20	25	8	4	13
26	8	24	39	28	4	1	1	2	4	7	9	15	3	3	4	6	4	10	3	4	8	20	21	17	10
27	27	16	8	11	12	5	14	11	14	16	14	16	13	4	4	12	9	19	13	25	26	15	26	31	15
28	30	21	22	19	16	14	9	10	17	11	7	6	18	8	3	3	18	19	25	15	20	18	16	12	15
29	11	12	10	10	20	15	16	17	20	32	13	***	***	***	***	***	***	***	***	***	***	***	***	***	***
30	***	***	***	***	***	***	***	***	***	1	0	1	1	1	0	1	1	3	4	4	3	3	3	2	***
31	3	5	8	10	12	5	2	21	5	6	24	18	19	14	46	17	10	6	66	62	10	57	89	6	22
MEAN	7	7	7	7	6	5	4	4	4	5	7	5	5	3	4	4	4	5	8	11	8	11	10	5	6.1

PERCENTAGE OF DATA VALID - 93.1

PERCENTAGE OF DATA INVALID - 4.0

PERCENTAGE OF DATA UNAVAILABLE - 2.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	1	1	1	1	1	1	1	1	3	3	2	2	11	12	12	7	2	2	2	2	3
2	2	2	3	3	3	2	2	3	4	7	6	5	8	14	25	24	18	5	13	15	8	9	12	13	9
3	14	13	9	15	5	3	1	1	4	8	10	7	6	5	3	5	9	12	1	2	1	2	1	2	1
4	0	0	0	1	0	0	0	0	0	0	1	3	3	3	5	9	12	9	8	7	0	0	1	5	29
5	2	3	17	20	4	2	2	5	10	8	8	3	9	10	6	9	9	8	7	0	0	1	5	29	7
6	23	3	6	3	2	3	3	7	6	5	7	4	3	2	4	5	14	4	7	19	27	35	38	50	12
7	51	45	57	36	22	10	9	1	1	1	****	6	6	7	9	16	17	11	6	2	0	1	2	11	14
8	8	6	0	1	8	17	15	17	7	8	3	4	11	9	12	14	18	1	0	0	0	0	0	0	7
9	0	1	2	0	1	0	0	1	1	0	1	1	1	3	7	8	3	2	1	1	0	2	2	3	2
10	1	1	0	1	2	0	1	2	2	3	2	3	4	4	2	3	4	2	4	19	23	2	0	9	4
11	29	28	53	16	0	19	10	2	1	2	1	2	2	1	2	2	1	1	2	6	14	27	10	25	11
12	34	26	25	23	20	22	11	11	6	4	3	3	2	3	3	4	4	13	36	***	8	12	19	15	13
13	24	12	13	5	3	2	2	7	5	4	8	4	2	***	0	1	1	0	0	1	0	0	3	0	4
14	0	2	3	0	3	1	0	2	1	0	1	1	1	2	1	0	1	0	0	0	0	0	0	0	1
15	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	2	1	1	0	18	30	38	10	22	5
16	11	28	4	16	13	4	4	2	1	0	0	0	1	1	2	2	4	1	1	4	61	2	4	2	7
17	0	0	0	0	2	0	0	0	0	0	4	4	6	6	4	7	6	5	6	2	5	0	0	1	7
18	3	18	21	10	16	21	18	15	7	9	15	32	12	27	11	3	3	10	2	3	1	1	13	19	12
19	11	6	3	5	2	1	1	1	1	1	2	6	6	3	0	1	1	1	3	0	1	1	11	9	3
20	17	17	6	15	6	3	6	4	8	5	14	7	3	1	0	14	0	1	3	2	0	0	0	0	6
21	3	1	1	0	1	5	3	8	9	8	10	8	3	0	0	0	0	0	14	15	11	2	1	33	6
22	28	15	11	8	17	7	9	24	23	29	23	20	20	15	7	3	8	1	0	2	6	4	4	1	12
23	6	9	5	44	9	10	11	8	2	0	1	4	17	11	***	1	2	1	4	7	5	0	2	7	7
24	4	3	3	16	8	11	14	6	8	9	17	9	3	1	2	3	6	10	10	9	4	8	2	1	10
25	3	2	1	0	1	2	2	6	7	8	4	12	16	10	12	12	4	5	7	10	17	0	6	10	7
26	8	28	20	18	22	3	0	4	2	1	0	0	0	0	6	16	9	1	2	33	34	19	22	23	11
27	9	4	5	7	2	3	8	14	22	16	3	14	10	4	8	6	3	3	3	18	11	5	7	2	8
28	11	5	1	1	1	2	1	0	1	2	3	3	4	3	2	1	0	1	1	1	2	9	4	3	3
29	3	11	11	3	5	3	9	12	22	30	13	3	3	11	3	1	1	1	0	1	1	1	0	0	6
30	0	0	0	0	0	0	0	0	0	***	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
MEAN	10	10	9	9	6	5	5	5	5	6	6	6	6	6	5	6	5	4	5	7	10	7	7	10	6.6

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
2	0	1	0	1	1	0	1	1	1	2	0	0	0	0	0	0	0	1	1	0	0	0	0	30	2
3	1	2	1	2	1	0	0	44	16	7	16	5	2	0	4	1	1	0	0	0	0	7	0	0	5
4	0	0	2	1	1	5	18	4	0	3	3	1	1	0	0	0	0	0	0	0	0	1	1	3	2
5	3	9	13	3	5	9	4	7	8	12	14	3	11	3	6	9	12	16	15	13	8	3	2	8	8
6	3	2	2	2	2	2	2	2	2	2	3	3	14	10	3	13	14	17	4	5	34	51	38	37	12
7	24	25	31	24	5	2	15	4	4	3	6	10	14	12	12	24	20	8	10	26	68	54	96	38	22
8	47	29	19	14	31	43	22	14	15	8	8	8	9	8	12	5	6	5	14	15	8	21	38	65	19
9	10	20	32	22	11	7	10	7	8	8	10	6	9	4	11	9	7	6	7	14	18	11	15	5	11
10	7	8	5	7	8	12	4	4	1	22	36	17	10	26	10	5	4	10	0	2	5	1	2	0	9
11	0	3	2	0	0	0	0	0	1	****	****	****	****	2	2	3	2	2	3	8	3	4	3	5	2
12	9	15	9	16	13	8	5	7	9	13	10	13	12	5	5	6	5	6	11	7	10	15	5	5	9
13	4	4	6	7	32	15	7	11	8	10	7	9	7	9	8	9	10	17	9	5	6	12	21	11	10
14	23	14	11	14	5	4	4	8	7	5	9	9	6	6	4	4	3	3	3	4	5	6	6	7	7
15	4	3	3	6	10	11	3	4	1	9	2	2	3	3	4	7	20	7	15	6	22	14	6	5	7
16	4	5	6	6	14	9	7	7	4	3	9	1	1	1	1	1	1	1	1	1	1	1	1	1	4
17	1	1	1	1	1	1	1	0	0	0	1	1	1	2	****	2	5	0	0	0	0	0	0	0	1
18	0	2	31	9	1	4	5	4	5	4	1	2	4	15	9	3	11	5	3	25	20	9	4	3	7
19	7	10	7	3	10	13	10	3	2	1	4	8	3	6	14	2	3	16	29	13	0	14	20	7	9
20	8	14	2	4	1	1	7	3	4	4	2	12	5	5	13	5	3	6	11	33	15	22	13	41	10
21	14	16	13	10	18	7	14	1	3	2	6	****	0	1	3	1	1	1	1	1	1	1	4	5	5
22	6	6	9	11	26	13	8	14	7	4	7	10	8	2	9	4	1	3	0	0	0	1	1	1	6
23	1	0	3	6	3	1	1	2	2	4	3	5	7	1	13	6	2	0	0	0	0	0	0	0	3
24	0	0	0	0	1	9	12	3	1	1	1	1	****	****	2	2	3	7	26	11	10	21	5	7	6
25	3	7	19	32	21	25	11	9	7	2	3	4	3	3	6	5	1	0	3	3	2	3	3	3	7
26	1	0	1	1	16	7	13	14	4	2	3	2	3	6	9	12	5	1	1	5	2	5	3	3	5
27	21	14	8	10	8	4	5	3	5	2	10	4	4	4	3	5	5	4	5	17	5	2	3	1	6
28	3	3	6	3	1	0	0	0	1	0	0	0	0	0	1	3	0	0	2	9	14	8	5	3	3
29	3	6	10	12	8	16	3	3	20	29	6	20	21	41	8	5	2	0	0	0	0	0	0	0	9
30	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	6	0	0	0	0	2	2	2	4	1
31	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
MEAN	7	7	8	7	8	7	6	6	5	5	6	5	5	6	8	5	5	5	6	7	8	9	10	9	6.7

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	8	4	5	3	2	3	1	3	2	2	2	1	3	3	4	2	5	27	3	3	4
2	1	1	0	0	0	0	0	0	0	0	0	0	1	2	3	1	2	7	15	25	3	1	1	1	3
3	0	0	0	1	17	12	14	12	5	4	3	3	***	***	***	0	6	10	2	7	25	6	6	14	7
4	9	16	1	0	0	8	6	3	6	3	1	2	2	2	5	8	9	6	2	19	17	7	2	10	6
5	4	1	7	5	1	3	2	6	2	1	1	1	2	4	4	4	2	12	20	8	33	4	18	15	7
6	13	38	12	7	10	5	8	2	2	4	0	0	1	0	3	5	10	2	33	77	3	1	14	13	11
7	6	6	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	1	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1
9	1	1	1	1	1	1	3	3	1	2	1	4	1	1	0	1	0	1	1	4	36	3	5	6	3
10	4	0	1	1	0	1	1	0	0	2	0	1	0	1	2	1	1	0	0	3	22	19	9	11	3
11	10	5	13	17	9	4	5	2	2	2	***	***	***	***	6	6	6	5	10	9	7	9	7	6	7
12	***	***	1	2	1	1	5	4	2	3	1	1	1	0	0	8	0	0	0	0	0	0	2	24	3
13	10	3	5	4	23	5	3	3	1	2	4	5	9	13	7	5	4	4	7	4	3	4	1	2	5
14	1	1	2	2	2	2	5	5	***	4	3	3	6	4	5	6	3	4	7	70	67	34	25	31	13
15	11	28	15	7	15	10	1	1	2	4	4	5	4	5	5	19	27	9	51	63	32	2	6	4	14
16	20	18	14	18	4	1	***	19	6	7	3	4	3	2	4	6	12	1	8	12	2	2	3	3	7
17	5	9	6	10	5	2	4	12	12	12	16	21	42	10	4	7	2	4	5	12	4	0	0	0	9
18	0	0	0	0	0	0	0	0	0	0	1	1	2	4	2	3	6	7	6	45	30	9	18	15	6
19	2	7	4	0	0	3	1	2	1	1	0	0	1	0	0	1	3	1	1	2	1	4	15	6	2
20	3	5	16	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	***	***	***	***	***	1	2	3	5	46	73	34	5	17	10
22	7	13	11	15	6	2	3	47	3	2	3	2	2	1	1	2	5	5	5	13	15	21	7	18	9
23	7	2	1	7	17	4	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
24	0	1	9	6	10	8	0	0	0	0	0	0	0	0	0	2	2	6	7	0	1	0	0	0	2
25	0	0	0	0	0	0	0	0	0	9	2	3	4	0	1	0	0	0	0	0	0	0	0	0	1
26	1	20	7	10	3	7	3	1	14	17	7	0	0	0	0	0	0	0	0	0	0	0	0	0	4
27	0	8	18	5	2	0	0	0	0	24	1	1	1	1	0	0	0	0	0	0	0	0	0	0	3
28	0	5	1	0	0	0	0	0	0	4	0	7	6	0	0	0	0	0	1	4	2	7	13	3	4
29	3	13	21	9	8	14	6	14	1	1	1	0	0	6	10	15	9	4	2	0	2	10	26	5	8
30	6	8	8	4	1	1	1	0	2	1	2	3	3	10	2	2	3	2	3	7	12	1	2	9	4
31	17	21	9	3	0	0	0	0	0	1	0	0	0	1	0	1	0	3	24	2	0	2	2	1	4
MEAN	5	8	6	5	5	3	3	5	2	4	2	2	3	3	2	4	4	3	7	14	13	7	6	7	5.1

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 2.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	2	19	1	5	4	5	4	4	1	3	1	5	3	3	12	3	4	7	10	6	4
2	6	2	0	1	2	1	0	15	3	0	2	0	0	3	2	1	1	1	2	0	3	21	19	44	5
3	50	28	1	5	4	3	4	9	6	7	0	1	1	0	0	0	0	0	0	0	0	0	0	0	5
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0
6	0	0	0	0	0	0	1	0	4	10	4	5	15	8	13	21	15	19	23	16	7	7	8	3	7
7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	1
8	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	5	0	0	0	2	35	13	4	-----
9	9	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	3
10	18	27	15	3	0	0	8	10	10	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	4
11	0	0	0	0	0	0	1	0	11	0	5	5	3	8	3	1	4	1	8	3	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0
14	1	0	0	0	0	0	0	0	0	28	0	6	6	4	1	8	10	8	3	0	0	0	0	0	3
15	0	7	4	1	0	0	0	1	0	0	0	0	0	0	1	3	0	0	0	0	1	0	0	0	0
16	4	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	8	4	1	0	0	0	0	0	0	0	0	1	13	3	0	1
19	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	3	16	0	2	3	5	5	5	2
20	6	5	7	3	0	7	4	3	3	3	3	4	2	0	0	0	0	0	1	0	2	5	8	0	3
21	2	0	5	2	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	2	2	3	2	2	3	4	2	3	3	4	3	5	6	5	11	5	3	2	4	3	5	24	4	5
25	6	3	4	4	5	3	4	5	3	3	2	2	2	2	2	2	1	1	2	2	2	2	2	2	3
26	2	2	2	5	8	18	11	10	3	3	2	3	5	3	3	3	2	1	1	1	2	2	2	1	4
27	2	4	5	4	1	3	4	6	5	5	4	13	4	5	6	16	14	8	2	2	11	6	8	6	2
28	6	1	1	2	2	2	1	2	2	2	2	3	3	3	3	1	1	1	1	3	2	2	2	2	2
29	4	24	14	13	5	5	8	5	4	4	9	3	5	6	4	5	5	8	12	13	21	8	3	3	8
30	3	2	2	2	2	2	2	2	3	3	7	5	4	6	7	6	5	3	2	2	2	1	2	3	3
MEAN	4	4	2	2	1	2	2	3	3	3	2	2	3	2	2	3	3	3	3	2	3	4	4	5	2.8

PERCENTAGE OF DATA VALID - 92.1

PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	8	4	4	3	3	3	3	3	4	3	4	7	6	4	4	6	4	4	4	4	4	4	4	4
2	5	5	5	4	4	4	4	4	4	4	4	4	5	4	4	4	4	5	5	5	5	5	5	5	4
3	5	5	5	6	5	6	15	27	13	8	11	6	5	4	4	4	4	4	5	15	6	7	5	4	7
4	6	6	4	4	4	4	4	4	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5	5	6	5	5	5	5	6	5	5	5	5	5	5	5	32	4	4	6	7	6	4	5	5	5	6
6	5	5	5	5	4	4	4	5	5	5	4	8	5	5	5	4	6	25	10	17	4	6	7	4	7
7	1	0	0	0	0	0	3	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	2	1	1	2	2	4	7	4	0	0	0	0	0	1	2	2	2	1
10	2	2	2	2	2	4	2	3	3	6	3	3	1	1	1	2	6	4	3	3	3	3	4	2	3
11	0	0	0	5	1	0	2	0	4	14	5	6	2	27	10	16	0	0	0	1	1	1	1	0	4
12	0	0	0	0	0	0	0	0	3	4	37	1	3	2	1	1	0	0	0	2	6	11	17	45	6
13	22	13	8	2	1	2	4	3	1	1	4	4	0	1	1	1	0	0	0	1	0	0	0	0	3
14	0	0	0	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	2	3	2	2	2	2	2	0	1	2	2	2	2	2	2	2	1
16	0	1	3	0	0	0	1	1	1	0	0	0	0	0	0	0	0	6	2	2	2	2	2	3	4
17	9	4	3	4	7	4	4	3	2	1	1	0	1	2	2	1	1	5	9	7	7	6	4	1	4
18	0	0	0	2	2	1	3	4	2	2	1	2	4	5	8	5	21	15	8	5	1	1	5	2	4
19	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
20	2	1	1	0	0	0	1	0	0	0	2	1	2	0	3	4	2	1	0	0	0	0	0	0	1
21	1	0	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
22	1	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	3	6	11	5	1	0	0	1	1
23	1	1	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	3	2	3	1	0	0	0	1	1
25	0	0	0	0	0	0	1	1	0	1	1	1	2	2	2	4	1	1	5	1	1	2	1	1	1
26	1	1	1	1	1	2	3	3	3	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	2
27	1	1	1	1	1	1	1	1	1	1	1	2	3	4	6	5	3	4	5	6	4	4	4	3	3
28	0	1	9	2	0	0	0	4	8	4	3	2	0	1	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
30	2	0	2	1	1	1	2	2	2	3	0	0	1	1	1	1	2	3	2	3	2	2	2	2	1
31	1	1	1	1	1	3	2	3	3	5	5	6	5	5	6	7	8	14	2	0	0	0	0	0	3
MEAN	3	2	2	2	2	1	2	3	2	3	3	2	2	3	3	2	3	4	3	3	2	2	2	3	2.5

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	1	13	16	2	2	2	1	1	2	1	2	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	2	9	10	7	8	8	8	12	10	4	1	2	3	2	0	2	4
3	1	2	1	1	12	6	14	10	2	4	2	1	3	1	0	0	2	2	2	2	2	9	6	11	4
4	2	2	6	4	3	2	3	2	1	2	5	2	0	1	2	0	0	2	1	0	2	2	3	1	8
5	0	0	2	20	0	3	0	0	1	2	16	27	35	3	0	65	11	0	0	2	0	2	3	1	1
6	2	2	2	0	0	0	0	0	0	2	1	0	0	1	0	***	2	1	4	1	1	2	0	1	1
7	1	2	2	4	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
8	1	1	5	7	1	1	3	8	2	2	0	1	0	0	0	3	1	4	2	4	5	5	5	7	3
9	2	4	1	1	0	0	0	0	***	0	1	2	2	4	1	0	0	1	3	1	0	0	0	5	1
10	12	8	1	2	1	11	19	0	1	5	2	13	0	0	0	0	0	0	0	0	0	1	17	0	4
11	4	1	0	2	0	0	0	0	1	1	3	2	2	3	2	3	8	2	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	3	1	0	1	3	18	1	0	0	0	0	0	0	1
13	0	0	0	4	0	1	2	***	0	6	11	1	1	0	0	1	12	1	1	1	1	1	1	1	2
14	1	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	2	1	2	1	1	2	3	4	2
15	4	4	4	4	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	1	2	5	2	1	1	0	0	0	0	0	2	3	5	7	5	9	2	2
17	3	1	1	1	1	1	2	2	1	1	***	35	46	24	1	1	3	3	1	0	0	0	0	1	6
18	2	2	3	12	3	2	2	2	3	0	0	2	3	4	5	2	0	0	0	0	0	0	0	0	2
19	5	6	5	7	2	2	2	0	0	0	4	2	0	0	1	0	3	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0
22	0	0	0	0	3	2	0	1	2	1	0	3	7	9	0	0	0	0	0	0	1	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	15	6	1	7	24	5	2	16	5	0	0	0	0	3
24	0	0	0	0	0	3	2	15	17	0	45	0	0	3	0	0	0	0	0	0	0	0	0	0	4
25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	10	***	0	0	0	0	0	0	0	0	0	0	1	1	1
29	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	1	0	0	3	2	3	0	1	0	0	1	0	0	0	0	0	0	0	0
MEAN	1	1	1	2	1	1	2	2	2	2	5	4	4	2	1	4	3	1	1	1	1	1	2	1	1.9

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION												
STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL														MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	1	0	0	0	0	0	1	7	3	0	0	0	1	2	0	2	1	0	0	0	6	1	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	1	0	
4	1	0	0	0	0	1	0	2	1	0	2	1	2	0	0	.....										
5															DATA INVALID -											
6															DATA INVALID -											
7															DATA INVALID -											
8	2	1	2	13	2	14	13	0	5	0	7	2	2	2	2	3	6	1	2	1	1	1	1	1	3	
9	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	2	1	
10	2	1	1	1	3	3	2	7	6	4	2	3	1	2	2	1	1	1	1	1	1	3	2	2	2	
11	1	2	2	1	1	4	2	2	3	2	2	2	4	4	3	3	5	8	9	4	5	2	5	8	4	
12	4	4	1	1	0	0	4	3	3	4	2	1	1	1	1	1	1	2	1	1	5	3	2	3	2	
13	1	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	1	1	1	2	4	1	
14	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	3	3	2	2	5	7	2	
15	0	4	3	3	3	4	4	3	1	0	0	0	3	3	3	7	5	3	1	0	2	1	1	0	2	
16	0	4	4	2	4	1	0	1	1	1	2	3	3	0	0	1	1	1	1	1	5	7	2	2	2	
17	0	1	1	0	0	0	3	2	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
18	2	1	0	0	0	0	0	0	0	0	1	0	0	1	***	6	0	0	0	0	0	0	0	0	1	
19	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	1	1	0	8	5	5	0	0	0	0	0	0	0	0	1	0	1	
21	0	0	0	0	0	1	3	6	1	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
22	0	0	2	1	3	2	4	7	1	2	2	0	0	5	8	5	5	0	0	2	3	2	2	4	3	
23	3	1	0	3	2	3	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	
24	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	2	5	4	5	0	0	0	0	1	1	3	0	1	
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	***	0	1	3	1	1	0	0	0	0	0	1	1	1	2	1	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	
31	2	5	3	5	3	1	1	3	3	4	1	1	1	1	7	1	1	1	3	13	7	11	4	2	4	
MEAN	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1.2		

PERCENTAGE OF DATA VALID - 89.7

PERCENTAGE OF DATA INVALID - 10.3



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.3	9	54
FEB	28	3.4	14	48
MAR	31	2.8	7	84
APR	30	2.9	10	41
MAY	27	6.1	22	89
JUN	30	6.6	14	61
JUL	31	6.7	22	96
AUG	31	5.1	14	77
SEP	27	2.8	8	50
OCT	31	2.5	7	45
NOV	30	1.9	8	65
DEC	27	1.2	4	14
YEAR	354	3.7	22	96

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO 100	101 TO 300	301 TO 500	501 & OVER	TOTAL
JAN	699	32	3	5	1	0	0	0	740
FEB	612	34	9	8	0	0	0	0	663
MAR	695	29	7	3	1	0	0	0	735
APR	676	23	8	4	0	0	0	0	711
MAY	568	84	23	13	5	0	0	0	693
JUN	563	100	26	22	4	0	0	0	715
JUL	590	96	22	22	5	0	0	0	735
AUG	631	62	16	14	6	0	0	0	728
SEP	622	28	7	6	0	0	0	0	663
OCT	717	14	5	3	0	0	0	0	739
NOV	680	22	3	4	1	0	0	0	710
DEC	662	5	0	0	0	0	0	0	667
YEAR	7715	529	128	104	23	0	0	0	8499

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.0	0	0.0	0.0	1.0	2.9	9.4	15.0	24.2	31.7	96	3.7

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - NW NO 61026 56 KING ST. DRYDEN													MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	10	14	1
3	12	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	3	3	4	2
4	3	1	3	6	3	3	0	2	6	7	1	3	1	2	0	0	7	8	3	17	6	10	2	7	4
5	0	0	0	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	3	2	4	8	6	2
10	13	8	31	25	21	22	21	28	19	10	6	3	13	22	27	13	18	25	37	48	44	43	37	28	23
11	17	29	36	29	41	31	28	35	18	46	26	33	33	16	13	5	7	35	7	9	0	0	0	0	21
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	6	10	6	6	0	0	2	2	0	0	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	5	10	3	3	2	2	0	0	0	2	13	6	6	11	4	1	1	1	1	3
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	3	4	8	5	4	5	2	4	4	6	4	2	6	0	0	11	8	2	2	2	3	4	0	0	4
20	5	8	12	0	0	0	7	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	2	28	45	39	12	0	0	28	9	0	0	0	7
24	5	19	8	0	0	6	2	4	0	0	0	0	4	2	2	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	13	0	0	0	0	0	0	0	1
28	0	0	0	0	0	5	5	21	0	0	0	0	0	0	0	0	0	8	8	3	5	8	8	3	3
29	8	10	8	5	3	0	3	0	5	5	0	0	0	0	13	23	29	96	60	114	104	57	34	26	25
30	39	21	0	0	0	0	0	21	10	0	0	0	0	0	0	16	10	39	68	23	0	52	99	83	20
31	21	8	0	16	62	135	75	10	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8	5	15
MEAN	4	4	4	3	4	7	5	5	2	3	1	2	2	3	3	4	4	8	7	8	6	6	7	6	4.4

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - NW NO 61026 56 KING ST. DRYDEN													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	8	5	5	1	0	0	8	13	8	0	0	0	0	0	8	****	****	38	5	0	0	0	14	5
2	11	14	4	8	4	0	0	3	0	0	0	0	0	0	0	****	0	0	0	6	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	8	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	7	12	5	8	11	2
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
8	3	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	25	16	18	3
9	31	12	12	20	30	24	9	6	8	3	50	2	0	0	0	0	2	4	6	6	8	14	11	0	11
10	8	10	8	4	4	0	0	50	8	0	0	0	0	0	0	0	2	1	8	36	70	5	18	0	10
11	5	11	14	8	6	0	0	0	0	****	0	0	0	0	0	0	0	0	9	4	3	0	0	0	3
12	0	0	0	0	0	0	0	5	2	0	0	0	0	8	0	0	0	0	2	0	0	0	0	0	1
13	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	7	5	4	3	3	8	2
16	9	5	5	5	3	5	8	3	5	0	****	0	0	0	8	40	95	81	0	78	140	88	11	0	26
17	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	2	1
18	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	11	6	7	5	3	14	7	12	5	13	7	7	0	0	0	0	9	18	21	24	22	5	0	13	9
21	15	8	13	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	2	1	1	2	8	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	11	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	1
26	5	4	3	0	0	0	11	8	5	3	16	3	0	4	11	6	0	7	10	13	62	17	0	0	8
27	0	0	0	0	0	0	0	0	0	0	3	0	0	****	19	8	2	1	13	6	19	6	7	8	4
28	9	7	3	9	5	4	7	8	7	0	3	1	2	1	1	3	1	2	3	1	49	41	9	6	8
MEAN	4	3	3	3	2	2	2	4	2	1	3	0	0	1	1	2	4	4	5	7	14	8	3	3	3.5

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - NW NO 61026 56 KING ST. DRYDEN														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	8	11	24	19	31	0	0	6	5	48	43	21	24	3	21	11	25	27	48	57	102	29	8	24
2	34	37	35	8	21	11	6	4	15	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	7
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	3	14	21	1	0	1
4	26	7	1	15	27	24	32	38	29	1	1	2	2	8	11	13	2	15	23	4	0	1	0	0	12
5	0	0	0	0	0	0	0	0	0	0	0	0	1	8	7	8	11	11	10	7	27	18	3	10	23
6	8	3	9	5	3	1	1	3	3	7	1	2	4	2	1	2	7	3	44	5	1	15	11	2	6
7	0	0	0	0	0	0	0	0	0	0	0	0	4	12	24	19	15	10	54	21	34	13	1	2	6
8	1	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1
9	3	8	71	66	41	63	41	16	53	15	7	1	1	2	1	1	0	0	0	0	0	0	0	0	16
10	0	0	0	0	0	0	0	0	0	0	0	4	1	46	4	6	2	2	1	7	55	49	59	60	12
11	42	8	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	18	20	7	4
12	6	5	10	13	2	1	4	7	1	2	2	1	0	1	1	3	4	1	7	10	7	4	0	0	4
13	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	2	11	5	7	11	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	0	0	0	0	1	1	3	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0
16	0	8	11	11	19	21	12	10	8	5	3	1	1	0	0	1	2	3	8	20	31	13	13	8	9
17	9	2	4	7	8	6	1	3	4	0	0	0	0	2	2	10	26	33	5	1	0	0	0	0	5
18	0	0	0	0	0	0	0	0	0	0	0	27	4	3	0	0	2	3	0	0	0	0	0	0	2
19	0	0	2	2	7	4	5	9	0	1	1	1	1	4	26	27	25	34	14	0	0	0	0	0	7
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	5	1	1
21	0	0	16	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	20	2
22	15	20	13	9	12	9	3	2	1	0	0	1	1	1	0	0	1	1	3	3	0	0	0	0	4
23	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	0	1
24	0	0	0	0	0	0	0	0	0	0	0	2	3	1	12	11	1	3	8	12	5	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	5	4	6	6	5	6	4	3	4	1	2	3	2	4	3	5	4	6	6	6	7	7	5	5	4.6

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - NW NO 61026 56 KING ST. DRYDEN															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	1	3	9	18	20	25	14	15	0	0	0	0	0	0	0	4
4	0	0	0	0	0	0	1	38	100	16	3	1	2	2	2	2	1	1	0	0	0	0	0	0	1
5	1	2	1	7	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	84	5	3	0	0	0	5
7	1	1	1	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	16	5	78	22	35	59	33	24	103	19	6	1	3	17
11	6	3	2	5	5	4	2	1	1	0	0	1	2	1	2	2	2	1	4	2	1	1	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	0
13	4	1	5	3	1	3	18	1	2	69	70	6	1	1	1	1	1	3	1	0	0	0	1	0	8
14	0	0	1	9	12	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	18	18	11	13	3	8	9	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
16	7	10	10	25	16	12	5	9	1	50	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	12	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	1	2	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	14	7	4	1
21	5	9	4	6	15	8	1	0	0	0	0	4	18	3	7	10	5	7	6	7	2	1	0	0	5
22	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	3	5	13	5	1	1	0	0	0	0	0	1	2	1	1
27	0	0	1	3	6	0	0	0	0	6	8	16	0	0	0	0	24	11	3	7	17	3	0	6	6
28	16	25	23	7	4	2	1	6	49	53	23	1	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	3	2	2	2	2	5	7	5	2	2	4	2	3	4	3	4	5	2	3	2	1	2.9

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - NW NO 81026 56 KING ST. DRYDEN												MONTH - MAY 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	7	11	2	3	1	0	0	7	18	1	4	5	4	0	0	0	0	0	0	0	0	0	0	3
2	0	0	0	4	1	3	1	20	11	13	13	19	8	7	35	55	63	54	56	2	1	1	0	0	15
3	0	0	0	0	0	4	0	1	2	0	8	30	***	***	***	***	***	***	***	***	***	***	***	***	***
4	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	***	***	***	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	4	2	6	4	0	0	0	0	0	***	0	0	0	0	0	0	0	7	1	0	1
12	0	1	6	12	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	19	27	31	4
14	14	24	19	15	12	14	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
15	0	0	0	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
17	1	1	1	1	1	1	1	0	0	0	11	0	0	0	3	38	77	5	3	6	4	3	2	7	6
18	6	22	5	1	2	1	3	1	0	0	0	2	***	***	2	2	3	17	22	3	17	17	8	5	6
19	3	18	20	13	6	14	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0
21	0	0	0	0	0	0	0	0	1	6	30	40	48	0	0	0	0	0	0	0	0	0	0	0	5
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	16	26	6	1	1	2
24	11	2	0	0	0	0	0	8	30	11	25	0	0	0	0	0	0	0	0	0	0	0	0	0	4
25	0	0	0	0	0	0	0	0	0	0	0	0	***	***	***	62	33	10	2	0	0	0	0	0	5
26	0	0	2	0	0	0	0	3	0	0	0	0	61	34	3	1	0	0	0	0	0	0	0	1	4
27	56	49	8	4	10	5	3	2	1	0	0	5	39	42	41	42	50	75	3	1	2	9	13	5	19
28	2	2	3	7	9	4	5	8	30	17	4	5	0	0	0	0	0	0	0	0	0	2	1	0	4
29	0	0	4	2	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	4	3	2	2	2	1	2	2	3	3	3	6	3	3	7	8	5	3	1	2	2	2	2	3.1

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - NW NO 81026 56 KING ST. DRYDEN												MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
2	18	13	8	12	12	7	32	7	1	1	5	13	20	11	18	42	22	21	2	5	3	6	7	1	12
3	9	3	7	9	2	0	0	0	0	0	0	0	4	3	25	13	7	8	2	4	6	2	0	0	4
4	0	0	0	0	1	4	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	1	1
5	14	7	3	4	2	1	0	0	1	5	0	0	***	0	1	1	2	1	0	0	0	0	26	84	7
6	87	114	55	20	16	35	31	10	13	15	48	1	1	0	0	0	0	0	0	0	0	0	0	0	19
7	0	0	0	0	0	0	0	0	3	0	7	23	1	25	21	45	54	100	47	16	11	3	5	44	17
8	32	27	10	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	25	3	3	5	
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	8	0	0	0	0	0	2	5	32	42	24	58	55	48	61	24	71	49	7	10	21
11	15	11	5	8	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	5	3	0
13	2	0	0	0	0	0	0	0	0	0	0	0	3	2	3	2	2	1	1	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	23	0	0	0	0	0	30	86	127	108	60	74	9	3	2	3	1	22
17	0	0	1	4	0	4	91	80	70	36	50	31	1	0	0	0	1	0	2	3	17	26	29	32	20
18	30	17	21	9	0	0	0	0	2	9	17	6	0	10	4	10	70	9	4	2	1	0	0	0	9
19	0	0	0	0	0	0	0	0	0	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	54	1	97	101	133	140	71	6	3	2	1	0	0	0	0	0	0	0	0	0	4	26
21	2	4	4	12	3	17	1	11	21	22	1	1	0	0	0	0	0	0	0	0	0	27	46	49	9
22	19	23	23	20	9	5	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	8	0	0	10	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	4	0
26	5	2	3	27	20	27	13	8	0	***	0	0	0	0	0	0	0	0	0	32	11	20	0	17	8
27	11	6	10	5	2	2	0	2	3	16	26	71	44	84	68	57	25	17	14	2	0	13	31	21	12
28	11	0	0	0	0	1	42	24	10	5	11	14	13	34	44	9	3	0	1	2	6	8	22	19	12
29	10	17	29	18	8	11	8	10	10	12	2	8	***	***	***	3	35	27	23	5	15	4	2	1	12
30	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	4	2	0	1	0	0	0	0	0
MEAN	9	8	6	7	3	7	11	10	9	6	6	4	5	7	11	13	14	10	8	4	5	6	6	10	7.8

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS											UNITS - PARTS/BILLION														
STATION - NW NO 61026 56 KING ST. DRYDEN											MONTH - JUL 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	0
11	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
15	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1	0	0	18	3	1	0	0	0	1	1	1	2	1	6	0	4	5	7	8	7	2	10	3
19	16	4	1	1	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
20	0	0	1	19	25	13	7	13	9	27	28	67	68	53	17	4	1	0	0	0	0	0	0	0	15
21	0	0	0	0	0	0	0	7	42	62	30	2	1	0	0	0	1	0	4	12	26	15	11	20	10
22	34	12	5	16	16	4	7	0	0	0	0	0	0	0	0	0	0	0	33	2	0	14	13	23	7
23	27	13	5	5	1	0	0	0	0	0	0	3	0	0	0	0	0	28	0	0	0	0	0	0	3
24	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	5	28	11	1	2	1	1	4	1	1	61	30	10	3	6	7
26	8	26	36	39	10	15	10	0	1	1	2	1	1	1	0	2	1	2	1	3	0	0	0	0	7
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0
28	0	0	0	0	25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	18	0	0	0	0	0	0	0	1	10	1	1	1	46	3	6	1	25	45	1	5	6	7
31	0	0	0	0	13	2	11	0	4	0	1	0	0	0	0	12	67	91	64	2	0	0	5	7	12
MEAN	3	2	2	3	4	1	1	1	2	3	3	3	2	2	1	2	2	4	4	4	4	2	1	2	2.4

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION													
STATION - NW NO 61026 56 KING ST. DRYDEN															MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	0	0	1	3	1	0	0	4	1	1	2	6	7	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****			
2	- DATA INVALID -																											
3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	38	5	29	27	4	9	36	24	86	196	*****			
4	211	234	176	216	145	84	165	193	206	152	163	168	157	150	189	184	146	20	6	5	2	0	0	2	124			
5	0	161	196	26	32	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17			
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0	0	0	2	5	13	12	9	4	10	15	13	0	0	9	2	4			
8	19	37	41	26	34	36	3	4	1	1	2	3	0	0	1	1	8	1	0	1	3	26	25	12	12			
9	18	21	35	36	32	31	11	8	3	3	0	0	0	0	0	0	0	0	0	2	4	3	1	9	9			
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	2	1	0	0	0	0	0	0			
11	0	0	0	0	0	0	5	5	38	1	1	0	0	1	2	2	1	0	0	0	0	0	0	0	2			
12	0	0	0	0	0	0	0	0	4	20	50	98	132	92	75	21	13	8	10	23	16	25	53	5	27			
13	18	7	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1	1			
15	0	0	0	3	17	1	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1			
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
18	0	3	34	5	0	12	208	183	269	179	135	110	146	183	182	108	63	103	158	19	10	5	21	89	19			
19	8	29	27	5	10	30	18	0	0	0	0	1	2	5	4	22	14	177	99	8	2	1	0	0	19			
20	0	0	0	0	0	0	0	0	0	0	2	2	3	55	19	62	141	119	183	139	12	15	9	0	32			
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
22	0	0	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
24	0	0	0	0	0	0	0	0	0	0	0	0	3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****			
25	0	0	0	0	0	0	19	2	6	6	7	22	17	15	1	1	5	30	26	7	1	2	6	19	8			
26	22	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	4	0	3	0	0	3	41	3	3				
28	6	13	0	59	50	27	27	4	3	9	10	2	2	4	3	0	1	8	20	8	42	23	38	78	18			
29	36	38	161	172	81	10	4	11	62	52	4	3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****			
30	2	0	1	20	31	17	25	4	4	3	8	8	31	108	50	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****			
31	0	0	0	0	0	0	0	0	0	2	3	3	81	36	10	18	2	0	0	0	0	0	0	0	6			
MEAN	12	19	24	20	15	8	10	15	18	18	15	16	20	22	22	18	17	18	18	13	5	5	13	12	15.5			

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION											
STATION - NW NO 61026 56 KING ST. DRYDEN															MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	3	5	2	1	33	45	34	5	
2	9	4	0	0	4	49	24	8	0	0	0	1	2	3	0	0	0	0	0	0	0	3	3	1	5	
3	2	12	42	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
4	0	0	0	8	13	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	2	41	61	8	7	9	8	3	6	6	3	3	3	7	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
11	10	7	3	0	52	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	2	7	8	19	53	19	6	5	10	6	4	4	9	14	7	
15	5	6	21	16	17	6	6	72	7	9	5	0	6	4	0	0	0	0	0	1	14	3	4	13	9	
16	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	9	0	0	0	2	
17	0	0	0	0	0	0	0	0	0	0	0	14	115	69	82	27	8	1	2	4	6	4	1	0	14	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	3	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	1	65	205	233	165	61	25	14	55	19	51	5	2	0	38	
20	3	17	63	76	56	4	60	81	19	7	7	13	51	7	4	4	8	33	24	6	3	27	21	35	26	
21	43	28	7	27	11	6	3	3	3	2	9	6	20	***	5	6	4	23	12	1	1	0	0	0	10	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	66	162	39	57	151	28	63	63	63	29	
24	53	23	23	43	22	23	21	16	0	0	0	0	0	0	0	0	0	1	41	21	31	15	7	16	15	
25	4	13	9	8	6	6	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
26	0	0	0	14	8	12	15	11	2	2	1	2	0	0	0	0	2	3	25	51	2	37	34	37	18	
27	19	9	13	0	15	31	21	68	34	84	62	94	4	2	3	0	4	22	19	44	26	11	***	***	12	
28	***	***	***	***	***	***	***	***	***	***	***	27	78	54	19	46	16	0	0	0	0	0	0	0	0	15
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
30	28	26	26	35	6	0	24	7	22	7	5	9	43	34	7	4	3	0	0	0	0	0	0	0	12	
MEAN	7	5	7	8	7	5	6	9	4	6	5	8	18	15	11	7	8	6	9	9	7	7	7	7	7.9	

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - NW NO 61026 56 KING ST. DRYDEN												MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	9	67	41	220	130	128	105	16	7	42	71	0	13	23	3	36
3	0	0	0	0	0	0	0	0	5	10	9	51	9	5	11	3	7	13	24	12	11	16	57	13	11
4	26	6	20	14	18	18	18	11	6	4	7	6	7	3	2	4	13	26	13	0	0	3	0	4	10
5	3	1	1	1	1	1	1	1	1	1	1	1	0	***	0	0	0	0	0	0	2	3	3	0	1
6	10	13	9	14	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
7	0	0	0	0	0	0	0	0	0	2	2	2	3	12	9	23	101	4	3	3	1	1	1	1	7
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	15	26	8	86	6	72	111	29	0	0	0	0	52	11	12	4	18
10	0	25	52	11	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
11	0	0	0	0	0	0	0	0	0	0	168	0	0	21	224	352	43	24	26	288	336	200	271	194	89
12	14	7	6	0	0	0	7	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	1
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	***	0	0	0	0	0	0	0	0	***
28	0	45	9	6	3	3	3	3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
29																									
30																									
31																									
MEAN	4	7	7	4	3	2	2	1	2	4	22	16	20	24	40	43	14	6	8	29	31	19	28	17	14.5

PERCENTAGE OF DATA VALID - 40.6

PERCENTAGE OF DATA INVALID - 15.9

PERCENTAGE OF DATA UNAVAILABLE - 43.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS											UNITS - PARTS/BILLION														
STATION - NW NO 61026 56 KING ST. DRYDEN											MONTH - NOV 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	****	****	****	****	****	****	****	****	****	4	16	58	172	78	326	390	261	315	479	347	267	79	433	*****
2	151	102	264	203	59	50	7	9	6	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	37
3												-	DATA INVALID	-											
4												-	DATA INVALID	-											
5												-	DATA INVALID	-											
6												-	DATA INVALID	-											
7												-	DATA INVALID	-											
8												-	DATA INVALID	-											
9												-	DATA INVALID	-											
10												-	DATA INVALID	-											
11												-	DATA INVALID	-											
12												-	DATA INVALID	-											
13												-	DATA INVALID	-											
14												-	DATA INVALID	-											
15												-	DATA INVALID	-											
16												-	DATA INVALID	-											
17												-	DATA INVALID	-											
18												-	DATA INVALID	-											
19												-	DATA INVALID	-											
20												-	DATA INVALID	-											
21												-	DATA INVALID	-											
22												-	DATA INVALID	-											
23												-	DATA INVALID	-											
24												-	DATA INVALID	-											
25												-	DATA INVALID	-											
26												-	DATA INVALID	-											
27												-	DATA INVALID	-											
28												-	DATA INVALID	-											
29												-	DATA INVALID	-											
30												-	DATA INVALID	-											
MEAN	151	102	264	203	59	50	7	9	6	0	2	8	29	86	78	163	195	131	158	240	174	134	40	217	110.2

PERCENTAGE OF DATA VALID - 5.1 PERCENTAGE OF DATA INVALID - 93.2 PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS				UNITS - PARTS/BILLION	
STATION - NW NO 61026 56 KING ST. DRYDEN					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	4.4	25	135	
FEB	28	3.5	26	140	
MAR	31	4.6	24	102	
APR	30	2.9	17	103	
MAY	30	3.1	19	77	
JUN	30	7.8	26	140	
JUL	31	2.4	15	91	
AUG	28	15.5	124	269	
SEP	30	7.9	38	233	
OCT	12	14.5	89	352	
NOV	1	110.2	37	479	
DEC	DATA UNAVAILABLE				
YEAR	282	6.7	124	479	

UNITS - PARTS/BILLION

STATION - NW NO 61026 56 KING ST. DRYDEN

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO 100	101 TO 300	301 TO 500	501 & OVER	TOTAL
JAN	660	22	15	27	9	3	0	0	736
FEB	609	36	5	9	6	1	0	0	666
MAR	635	47	22	21	9	1	0	0	735
APR	660	27	11	8	7	1	0	0	714
MAY	657	28	7	17	9	0	0	0	718
JUN	580	47	27	30	23	6	0	0	713
JUL	693	22	8	12	8	0	0	0	743
AUG	549	32	22	30	17	40	0	0	690
SEP	587	37	24	26	29	6	0	0	709
OCT	241	24	10	5	8	12	2	0	302
NOV	18	1	0	1	4	7	6	0	37
DEC	DATA UNAVAILABLE								
YEAR	5889	323	151	186	129	77	8	0	6763

PERCENT OF DATA VALID	MIN	10	30	FREQUENCY	DISTRIBUTION	PERCENT	95	98	99	MAX	ARITH MEAN
84.4	0	0.0	0.0	0.0	0.7	15.0	32.7	69.4	126.4	479	6.7

[illegible]

PERCENTAGE OF DATA VALID - 49.6

PERCENTAGE OF DATA INVALID - 50.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*.\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - NW NO 62030													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	2	0	0	0	0	32	141	141	83	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
5	0	0	0	6	4	4	4	3	0	15	0	4	3	0	0	0	0	0	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	4	2	3	3	2	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	6	6	6	8	13	122	70	64	25	41	21	8	6	4	5	0	0	0	0	0	0	17
10	0	0	0	11	7	6	9	9	13	12	0	2	13	20	14	13	6	0	7	4	6	6	5	3	7
11	6	2	4	5	2	0	2	0	0	5	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	10	11	7	9	19	15	9	8	10	2	0	2	2	6	0	0	0	0	0	0	0	0	0	0	5
18	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	11	71	23	38	16	7
19	11	14	14	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	10	10	27	28	18	6	3	40	39	20	8	13	11	7	6	8	2	2	0	0	41	28	0	45	15
22	34	26	19	32	5	0	0	0	0	4	5	21	3	2	0	0	0	0	0	0	0	0	0	0	6
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	2	3	3	3	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
27	0	35	0	66	71	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	4	5	4	9	7	4	9	11	14	6	5	5	4	3	2	2	1	1	1	1	7	3	2	5	4.8

PERCENTAGE OF DATA VALID - 67.0

PERCENTAGE OF DATA INVALID - 33.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION																			
STATION - NW NO 62030															PORTAGE/CHURCH ST FORT FRANCES										MONTH - MAR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	- DATA INVALID -																																	
2	14	10	3	4	10	12	17	17	8	20	20	14	11	3	0	0	2	3	0	0	0	0	0	13	*****									
3	29	48	39	32	14	16	42	40	21	7	9	17	18	17	20	14	9	4	7	50	34	20	25	52	24									
4	25	19	28	39	3	0	0	0	0	3	4	0	5	6	4	8	0	0	7	8	6	23	24	4	9									
5	1	2	3	0	2	3	5	8	5	10	15	9	9	5	4	16	23	10	9	2	8	33	10	23	9									
6	14	11	25	50	81	5	26	18	14	8	18	54	18	20	21	6	3	2	9	22	29	14	19	34	22									
7	28	64	46	167	188	234	256	263	147	76	111	125	126	163	210	231	218	126	151	101	133	87	74	36	140									
8	21	5	15	6	7	13	11	31	5	1	2	2	1	1	3	0	0	0	0	0	1	3	5	2	6									
9	0	0	0	0	4	2	6	9	6	13	6	17	24	34	21	25	20	23	13	11	15	21	42	37	15									
10	22	34	41	20	7	8	8	4	1	0	1	0	3	1	8	6	3	6	0	6	37	17	22	57	13									
11	21	55	17	8	2	0	0	0	0	4	10	11	12	9	8	8	6	4	3	4	6	5	5	4	8									
12	2	0	0	0	0	0	0	0	0	1	3	1	1	2	3	0	0	0	0	2	2	0	0	0	1									
13	0	0	0	0	0	0	0	0	0	1	4	6	11	13	7	8	8	10	4	5	1	10	15	12	5									
14	25	4	1	0	4	1	0	0	4	4	7	6	4	0	2	2	3	3	3	0	0	0	0	0	3									
15	0	0	0	10	19	26	18	26	6	11	11	10	8	7	11	7	4	3	3	1	2	5	4	5	8									
16	4	3	1	0	3	5	24	19	5	18	14	9	8	13	15	13	4	4	13	26	38	26	27	168	19									
17	62	4	40	5	2	2	9	55	103	118	17	15	5	5	3	4	5	4	1	2	0	2	4	0	19									
18	0	0	0	0	2	5	1	0	0	2	2	4	10	8	11	4	6	1	3	5	4	67	4	12	6									
19	5	103	100	4	1	0	0	0	0	0	0	0	1	2	3	5	4	2	0	0	0	5	5	4	10									
20	7	41	87	54	184	177	226	95	5	1	0	2	11	3	29	2	9	8	0	1	94	21	31	10	46									
21	13	24	35	29	2	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4	4	1	0	5									
22	0	0	8	8	3	0	0	2	4	3	0	0	0	0	0	0	0	0	0	0	18	18	2	2	3									
23	2	3	7	8	5	4	1	0	0	4	13	37	7	0	0	0	2	0	0	0	0	0	2	2	0									
24	4	4	4	1	2	5	8	5	3	1	2	0	0	0	0	0	2	14	12	58	4	4	4	6	7									
25	1	2	12	11	28	24	9	7	4	6	5	6	8	3	3	3	3	3	4	4	4	4	4	4	1									
26	6	2	0	0	0	0	0	0	1	3	5	4	1	0	0	0	0	0	0	0	0	0	0	0	1									
27	0	3	0	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1									
28	5	4	4	3	4	4	7	8	10	6	5	7	8	6	5	8	6	6	7	8	7	6	4	2	6									
29	2	2	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
30	0	0	0	0	0	0	0	0	0	0	3	5	6	6	5	82	88	51	10	6	4	3	2	2	11									
MEAN	11	15	18	16	20	19	23	21	12	11	9	12	11	11	13	15	14	10	9	11	16	14	12	18	14.3									

PERCENTAGE OF DATA VALID - 95.2

PERCENTAGE OF DATA INVALID - 4.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - NW NO 62030 PORTAGE/CHURCH ST FORT FRANCES														MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	2	2	1	2	2	1	0	2	4	3	4	3	4	4	5	5	5	4	4	3	1	3
2	0	0	0	4	8	6	4	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	2	3	8	60	91	71	104	68	25	100	40	65	29	23	15	11	13	39	30	93	172	44
4	33	15	11	21	73	23	17	14	5	3	2	3	0	0	0	0	3	3	3	2	4	13	16	6	11
5	24	12	3	8	29	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
6	2	0	0	0	0	1	3	3	16	32	47	94	95	134	23	21	7	3	11	4	***	***	2	1	23
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	0	0	4	6	1
9	5	4	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	4	1
10	76	55	1	3	4	12	144	99	14	9	6	2	0	0	0	2	6	6	19	19	47	14	9	6	23
11	3	4	1	0	0	0	0	0	0	0	0	0	3	4	3	1	1	3	4	18	16	5	4	4	3
12	3	2	0	0	0	0	0	0	1	5	0	0	0	0	2	2	4	4	0	0	0	0	0	0	1
13	0	0	1	1	1	4	2	8	12	4	4	2	3	4	1	0	0	0	2	3	2	2	2	3	3
14	1	1	0	0	0	0	7	15	6	3	2	0	3	0	0	0	0	0	0	0	0	0	0	0	2
15	3	3	10	1	28	49	25	0	0	0	2	3	3	3	3	4	4	3	2	10	0	0	0	0	1
16	1	2	4	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	4	3	3	0	1
17	0	0	2	3	2	2	3	2	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1
18	0	0	0	2	2	1	2	1	0	0	0	0	0	2	2	2	2	2	1	1	3	3	3	5	2
19	4	2	1	2	7	0	0	0	0	0	2	2	0	1	1	1	1	0	0	0	0	0	0	0	1
20	0	0	0	1	1	3	2	0	0	0	0	0	1	1	0	0	0	0	0	0	18	0	0	0	1
21	15	145	8	1	2	0	0	0	23	11	11	2	1	1	3	2	0	0	0	2	4	4	7	7	10
22	4	2	28	35	0	1	0	2	3	30	32	3	0	0	0	1	0	0	0	0	0	0	0	0	1
23	0	0	0	1	2	3	5	4	2	0	0	4	3	0	0	1	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	3	2	2	2	0	0	0	0	0	23	52	25	11	22	10	11	4	3	1	2	16	21	157	51	17
26	201	49	123	112	98	106	119	87	19	11	9	4	3	0	0	0	0	0	0	4	5	7	6	6	40
27	4	1	0	0	0	1	4	12	11	11	20	28	10	1	0	0	0	0	2	4	6	4	11	31	7
28	13	8	5	19	33	3	0	4	5	0	0	1	1	0	0	0	1	2	2	2	0	0	0	0	4
29	0	0	0	0	0	0	0	0	0	2	1	0	1	1	0	0	0	0	0	0	1	2	1	0	0
30	0	0	3	3	3	4	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1
MEAN	13	10	7	7	10	8	13	12	7	9	9	7	8	7	4	3	2	2	2	3	5	5	11	11	7.3

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - NW NO 82030 PORTAGE/CHURCH ST FORT FRANCES														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	4	4	3	0	18	11	17	0	0	0	0	0	0	0	0	0	4	12	10	9	18	5
2	39	20	21	30	25	19	25	23	5	6	10	5	6	4	53	4	8	23	11	5	21	4	42	116	22
3	36	26	18	33	71	6	46	19	25	13	94	53	23	42	30	55	24	23	66	37	104	154	132	6	47
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	2	2	2	2	1	1	0	1
8	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0
9	1	2	11	4	7	11	6	3	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	140	8
10	130	169	114	104	103	96	83	136	103	124	89	136	120	64	129	151	134	145	75	122	9	6	5	28	99
11	113	29	99	81	41	6	3	2	1	0	0	0	0	0	1	1	4	3	2	2	3	5	4	7	17
12	9	16	3	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	3	24	1
14	11	42	37	19	1	11	15	0	0	0	0	0	1	3	5	6	6	7	7	7	5	4	1	0	8
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	4	3	2	1	0	1
16	0	0	0	0	0	0	1	0	12	2	0	20	10	7	8	12	5	5	7	8	9	7	5	17	6
17	7	15	4	0	0	0	1	13	4	2	2	1	0	0	0	0	0	0	0	1	2	10	10	5	3
18	5	13	11	7	26	41	2	13	9	3	2	0	0	0	2	5	5	2	0	0	1	157	147	44	21
19	13	98	164	188	155	105	40	85	208	17	34	6	2	0	0	0	0	0	0	0	0	0	0	0	46
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
21	0	3	13	42	61	87	126	71	162	85	17	1	0	0	0	0	48	160	147	89	4	174	165	86	63
22	79	6	0	0	0	0	0	0	0	2	2	0	0	0	0	0	1	3	67	1	1	7	60	153	16
23	2	13	13	6	0	0	0	11	7	22	10	68	3	3	3	2	0	0	5	9	20	8	13	13	10
24	83	0	78	233	100	143	161	110	90	53	28	68	0	0	42	87	2	0	0	1	38	30	101	60	60
25	0	0	0	33	124	3	0	0	0	44	31	121	101	46	22	19	29	30	9	7	4	3	2	0	26
26	0	0	0	12	38	3	17	16	10	2	2	5	0	0	0	0	15	22	5	4	6	9	184	32	18
27	DATA INVALID																								
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	1	2	2	0	0	0	0	0	0	2	0	0	0	1	1	2	2	2	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	18	16	20	28	26	18	18	18	24	14	13	19	10	8	10	11	13	18	15	11	8	22	28	27	17.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - NW NO 62030 PORTAGE/CHURCH ST FORT FRANCES													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	7	113	42	4	2	0	0	0	0	0	2	0	0	0	7
2	0	0	0	0	1	2	18	55	18	6	16	8	22	15	8	5	7	6	8	12	224	21	21	25	21
3	2	12	3	10	5	24	2	0	0	2	2	0	0	2	3	2	0	0	2	11	198	277	183	31	
4	197	32	6	6	6	25	6	6	5	5	5	7	7	5	5	5	5	4	2	0	0	0	5	6	15
5	0	0	0	0	9	93	80	162	181	147	118	141	135	98	143	40	82	230	242	332	302	273	262	105	132
6	198	136	18	28	187	91	15	61	26	148	51	7	5	5	0	0	0	0	0	0	0	0	0	0	41
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	173	317	286	107	35	40
8	37	215	49	34	192	51	21	7	3	11	0	3	5	0	0	0	0	0	0	1	3	3	0	0	26
9	15	3	54	31	5	29	3	0	0	0	0	5	3	0	5	0	2	0	0	0	0	0	0	1	7
10	6	2	1	49	100	80	57	195	105	46	15	34	22	30	94	19	7	7	2	0	9	4	10	9	38
11	11	11	10	7	3	0	0	0	0	0	0	0	0	0	0	2	2	4	0	0	5	0	0	0	2
12	3	3	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	27	2	2
13	45	25	15	6	2	0	0	0	0	0	0	0	0	2	2	2	2	5	5	5	6	2	0	0	6
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	2	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	14	0	62	0	0	1	50	68	88	49	2	1	2	0	0	2	4	5	13	60	22	20	19
17	6	6	144	117	113	75	4	6	6	7	3	3	0	0	0	0	0	0	0	0	0	0	2	3	21
18	6	22	10	20	5	20	49	120	159	11	15	39	47	67	10	103	157	130	178	252	284	100	134	113	85
19	121	162	78	87	71	125	145	35	6	8	48	54	82	177	65	46	110	78	55	60	24	65	177	202	87
20	10	5	5	9	2	4	3	2	2	5	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	33	32	20	20	38	32	22	31	29	25	19	24	18	20	17	12	20	25	26	44	63	53	54	38	29.7

PERCENTAGE OF DATA VALID - 65.0 PERCENTAGE OF DATA INVALID - 35.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - NW NO 62030 PORTAGE/CHURCH ST FORT FRANCES													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1														- DATA INVALID -											
2														- DATA INVALID -											
3														- DATA INVALID -											
4														- DATA INVALID -											
5														- DATA INVALID -											
6	1	61	14	77	95	114	19	47	83	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	21
7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
8	0	0	0	0	12	2	1	2	3	32	9	26	57	40	54	88	96	6	0	0	0	0	0	0	18
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	2	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	14	11	1
11	44	62	68	47	55	40	30	7	29	31	41	32	8	10	22	42	49	23	6	5	0	0	0	0	27
12	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	7	5	0	7	1
13	7	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	6	26	80	225	202	51	37	27
14	56	76	16	20	91	78	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
15	7	18	43	16	35	34	39	17	11	41	0	0	7	70	35	0	2	4	0	0	0	0	0	0	16
16	0	0	17	1	0	0	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17	0	0	10	0	8	0	0	0	0	0	0	2	0	0	4	14	0	0	0	27	22	11	18	0	5
18	12	53	1	22	16	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	7	6	6
19	0	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	1	4	1
20	39	22	8	52	96	43	91	57	2	1	0	10	6	14	115	94	117	0	0	0	13	57	70	191	46
21	142	196	252	254	222	90	77	55	32	0	0	0	4	6	30	10	62	0	2	7	4	4	2	17	61
22	13	4	15	12	0	4	1	0	1	0	0	0	0	0	0	0	0	0	0	5	1	11	23	20	5
23	43	83	49	150	169	111	68	9	1	99	129	74	13	34	13	2	1	1	1	0	26	76	260	88	63
24	110	42	29	65	23	113	82	112	237	172	108	129	34	43	80	83	96	122	18	45	9	47	0	87	79
25	50	28	16	0	0	0	0	13	51	34	43	9	6	2	0	0	0	0	0	0	19	23	0	0	12
26	0	0	12	29	9	4	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3
27	6	4	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5	13	2	4	0	2
28	0	0	0	0	17	0	27	15	3	6	2	0	0	0	4	7	0	0	0	0	0	0	0	0	3
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	64	16	12	4
30	8	5	9	0	0	38	88	103	87	66	38	102	113	65	46	64	107	56	5	149	231	23	13	0	59
31	0	0	0	0	0	0	0	0	0	0	0	0	9	4	0	0	0	0	1	0	47	75	197	168	21
MEAN	21	25	22	29	33	27	21	17	21	20	15	16	10	11	15	15	20	8	2	12	24	23	25	24	18.9

PERCENTAGE OF DATA VALID - 84.4 PERCENTAGE OF DATA INVALID - 15.3 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - NW NO 62030														MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	177	154	274	251	259	234	185	111	57	144	110	162	154	84	64	52	72	107	64	112	131	9	12	4	124
2	0	0	2	8	16	9	10	9	5	0	0	0	0	0	0	0	0	0	0	0	0	11	46	0	6
3	0	30	15	38	38	44	35	8	2	0	0	0	0	0	0	0	0	0	0	5	8	14	22	24	13
4	27	50	1	2	2	5	13	9	12	6	9	8	7	27	10	15	27	33	79	269	274	227	162	73	56
5	78	82	45	36	45	20	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	12	0	11	4	0	0	0	0	5
7	28	65	24	23	0	1	46	61	85	107	177	221	127	37	10	27	48	82	130	188	56	38	125	38	73
8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	8	7	8	8	8	8	8	8	17	54	30	7
10	88	155	134	66	59	83	30	5	9	7	2	2	2	5	1	1	1	1	2	0	11	69	100	5	35
11	3	73	163	111	82	27	278	155	62	79	29	33	48	106	70	78	116	127	54	5	7	5	56	34	75
12	41	26	2	0	0	1	73	176	68	58	106	52	23	24	23	27	16	6	0	0	0	24	0	41	33
13	9	6	1	2	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	9	0	0	2	58	4
14	97	9	64	82	98	55	81	30	90	60	64	25	36	45	81	100	50	16	15	9	13	0	0	0	47
15	0	0	0	0	0	0	22	2	0	0	0	0	0	1	37	6	0	0	0	0	0	0	1	2	3
16	7	5	5	3	5	5	4	2	6	2	1	0	0	1	2	0	0	0	0	0	0	0	0	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	2	10	1
18	9	6	23	135	195	66	17	13	7	3	1	2	2	8	5	0	0	0	0	2	23	2	2	2	22
19	3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	17	0	0	0	0	3	1	0	1
20	0	0	34	170	73	58	70	123	100	154	113	121	146	84	94	125	107	119	106	70	38	59	27	34	84
21	25	4	1	0	0	0	0	3	5	35	67	65	58	20	50	67	164	174	145	1	0	0	0	0	37
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	12	5	16	23	1	1	0	5	0	0	0	0	0	0	0	0	3
25	1	3	0	0	4	6	9	1	9	44	48	4	2	0	0	0	0	0	0	0	0	0	0	0	6
26	0	0	0	2	13	27	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	9	7	0	0	0	6	4	2
28	9	0	0	9	0	0	0	0	0	0	2	1	0	0	1	0	0	0	0	11	8	2	0	0	2
29	1	20	21	34	45	16	21	9	3	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	7
30	0	0	0	0	9	15	26	7	2	2	1	16	4	8	3	2	4	0	0	0	0	3	2	16	5
31	13	60	183	151	81	72	56	0	94	130	47	35	5	26	56	8	2	22	0	0	0	0	0	0	45
MEAN	20	24	32	36	33	24	32	24	20	28	27	26	22	17	16	18	21	23	20	22	18	16	20	12	23.0

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION											
STATION - NW NO 62030														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	0	2	0	0	0	34	11	16	38	66	52	64	149	135	123	106	82	199	129	107	95	30	33	62
2	92	69	104	138	84	24	19	9	0	0	0	1	1	1	2	0	6	12	16	0	0	0	0	0	24
3	0	0	0	0	5	2	0	2	7	1	2	13	9	12	18	5	2	19	16	3	13	20	13	4	7
4	5	9	8	18	2	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0
6	0	0	0	0	0	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	15	50	52	6	4	0	0	0	0	0	0	0	6	13	11	15	52	28	11
10	31	11	10	6	2	2	2	0	0	0	0	18	93	0	0	0	0	0	0	0	0	0	0	0	8
11	46	108	0	0	0	13	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	19	44	88	79	59	22	32	35	16	14	16	15	13	8	5	0	6	20	21	19
15	21	15	11	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
16	0	0	0	0	0	0	0	0	0	1	45	6	31	0	7	33	21	27	4	21	27	204	62	177	28
17	186	201	107	232	76	44	50	46	79	30	72	81	51	45	47	100	119	97	23	32	0	0	0	0	72
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	3	32	14	53	180	14	9	14	7	9	12	9	7	9	1	0	5	0	2	16
20	3	4	1	4	21	12	9	8	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
21	0	0	0	0	0	18	32	9	5	46	21	9	0	3	3	0	0	0	0	15	21	56	93	43	16
22	78	59	197	100	31	5	5	26	76	91	98	115	70	74	29	66	19	31	5	11	18	102	136	141	66
23	304	319	324	309	274	291	343	237	222	180	203	181	162	138	162	135	89	70	132	150	31	120	5	5	183
24	15	3	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	1	2	3	1	0	5	30	3
25	12	24	17	26	13	42	68	112	155	166	97	40	42	19	1	0	39	12	30	0	0	61	148	182	54
26	231	212	252	85	91	51	44	2	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	42
27	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	192	307	283	166	
28	309	191	58	83	147	142	370	343	202	208	106	103	168	0	0	0	0	0	0	0	0	0	0	0	102
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	11	120	474	540	332	251	260	186	91
MEAN	45	41	36	34	26	23	37	31	31	35	26	23	25	18	15	18	14	16	31	32	25	42	37	35	29.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION												
STATION - NW NO 62030													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	241	268	345	381	256	297	214	192	142	91	64	59	41	0	0	0	0	0	0	0	0	0	0	0	108
2	0	0	0	0	13	117	2	1	4	8	10	21	13	6	9	3	0	0	0	10	37	50	57	22	16
3	161	390	28	82	142	86	135	29	1	4	0	0	8	3	3	0	0	0	0	0	0	0	0	0	45
4	0	0	0	0	0	0	2	0	0	1	0	3	6	4	0	0	0	0	2	0	0	0	0	0	1
5	0	0	1	3	0	0	0	0	0	0	0	0	0	0	1	0	1	2	3	0	2	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	5	0	0	0	0	1
7	0	0	0	0	6	3	1	4	0	0	0	0	0	0	0	2	2	2	2	200	369	500	494	479	86
8	129	103	24	0	22	36	33	33	152	72	102	64	32	60	32	19	13	16	29	45	23	6	4	43	46
9	0	20	29	32	31	4	4	9	30	9	4	7	0	0	0	0	0	0	0	8	15	7	15	50	11
10	54	6	140	33	78	4	25	31	7	22	56	94	13	85	27	34	19	0	13	24	30	35	33	41	38
11	37	24	43	58	63	211	97	121	102	171	8	0	0	0	0	0	0	5	0	0	0	0	0	0	39
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	4	0	0	0	0
13	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	9	0	9	0	4	0	19	37	48	16	23	39	77	151	145	63	73	123	0	0	0	0	35
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
16	19	12	6	3	4	5	7	12	5	0	5	7	9	5	5	5	15	46	16	0	0	6	57	80	14
17	92	63	61	79	89	37	82	83	105	170	279	128	4	5	0	0	1	0	0	0	4	0	0	0	53
18	0	5	0	5	4	0	0	0	0	0	0	0	3	3	4	8	10	23	43	139	124	45	5	17	18
19	25	26	29	37	38	12	0	0	0	0	0	0	0	0	0	0	0	20	297	398	526	293	347	378	101
20	71	18	52	7	0	0	0	0	0	0	0	0	2	6	6	7	18	11	0	15	5	9	0	0	9
21	0	0	0	0	0	0	0	0	0	0	0	0	5	7	12	11	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	7	0	14	1	1	11	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	8	4	7	14	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	0	2
31	0	0	0	0	0	0	0	0	0	0	0	0	9	5	4	4	0	0	0	0	0	0	0	0	1
MEAN	27	30	25	23	25	26	20	17	19	21	21	15	5	8	6	8	7	6	16	31	37	31	33	37	20.7

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION															
STATION - NW NO 62030														MONTH - NOV 78															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0	0	0	0	0	5	7	0	0	0	0	0	0	0	0	0	0	1				
4	0	0	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3				
5	0	0	4	9	12	6	4	7	7	7	7	0	3	4	1	4	0	0	0	0	0	0	0	0	1				
6	0	0	0	0	0	11	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0	0	0	0	3	9	4	0	0	0	0	0	0	0	0	0	0	1				
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	3	0	0	0				
15	5	9	17	23	8	7	0	3	0	4	1	0	9	8	0	2	3	2	0	0	0	0	0	3	7	4			
16	4	0	2	16	21	5	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5				
17	7	6	0	4	9	42	4	35	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
20	0	0	0	0	2	0	2	4	4	0	0	0	0	0	0	0	0	14	6	9	0	0	4	2	2				
21	24	35	28	36	36	16	3	7	25	4	7	4	0	0	0	0	0	5	10	10	13	2	7	37	13				
22	34	54	54	38	36	25	31	14	0	1	4	3	0	0	0	0	0	0	0	0	0	0	0	0	12				
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
24	0	0	0	0	0	0	0	0	0	0	0	5	7	16	11	6	33	0	0	0	0	10	14	0	4				
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
26	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	4	21	1	0	- DATA INVALID -														0					
28															- DATA INVALID -														0
29															- DATA INVALID -														0
30																													0
MEAN	3	4	4	5	5	4	3	3	2	1	1	1	2	1	0	2	0	1	1	1	1	1	1	2	2.0				

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - NW NO 62030															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	- DATA INVALID -																								
2	- DATA INVALID -																								
3	- DATA INVALID -																								
4	- DATA INVALID -																								
5	- DATA INVALID -																								
6	- DATA INVALID -																								
7	- DATA INVALID -																								
8	61	73	86	50	25	55	60	55	15	16	0	0	0	2	3	0	0	0	39	73	92	10	19	37	*****
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	4	4	4	1
10	5	7	14	26	47	58	5	0	0	5	35	0	0	0	0	0	0	0	0	0	7	21	41	17	12
11	79	25	38	25	28	34	51	64	73	62	35	21	3	4	2	*****	*****	*****	*****	*****	78	56	0	0	36
12	0	0	0	0	39	90	43	21	30	56	49	6	0	0	0	0	0	0	0	0	0	0	0	0	14
13	0	0	0	0	0	0	0	3	7	0	0	0	0	4	7	7	11	116	13	21	71	8	10	8	40
14	30	29	163	19	96	187	275	189	11	79	101	20	3	2	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	63
15	171	217	60	21	29	18	21	24	21	0	0	21	13	0	0	16	30	41	59	0	21	23	24	29	36
16	34	8	14	21	21	24	0	2	6	7	0	0	0	3	6	6	4	0	21	10	22	21	18	21	11
17	25	37	75	70	107	62	47	56	55	35	70	13	4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	33
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	4	11	30	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
21	0	13	33	17	12	34	12	23	30	21	18	22	20	0	10	0	0	0	0	0	0	0	0	0	11
22	0	0	0	0	0	0	0	0	12	0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1
23	0	0	16	36	32	3	0	0	4	7	0	4	4	2	2	2	2	2	2	7	4	4	11	8	6
24	0	6	4	5	22	40	20	7	3	0	0	0	4	0	0	0	0	0	0	0	30	6	14	5	7
25	11	0	0	0	30	5	21	4	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
26	13	31	12	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	3
27	0	0	0	3	0	0	0	0	0	0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	3	3	3	0	0	2	3	4	3	3	4	4	7	14	46	53	100	11
30	29	31	27	21	20	18	30	12	12	6	16	0	0	7	10	3	10	15	15	18	7	10	28	2	14
31	5	33	48	23	51	105	61	98	74	19	27	18	17	14	13	17	5	7	4	7	3	2	7	11	28
MEAN	19	21	25	14	24	32	28	23	15	13	17	6	3	2	3	3	8	4	7	8	12	9	10	17	13.7

PERCENTAGE OF DATA VALID - 75.8      PERCENTAGE OF DATA INVALID - 23.4      PERCENTAGE OF DATA UNAVAILABLE - 0.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS				UNITS - PARTS/BILLION			
STATION - NW NO 62030				PORTAGE/CHURCH ST FORT FRANCES			
MONTH	NO OF DAYS		AVERAGE CONCENT	24-HOUR MAXIMUM		MAXIMUM READING	
JAN	15		5.4	51		116	
FEB	16		4.8	17		141	
MAR	29		14.3	140		263	
APR	30		7.3	44		201	
MAY	27		17.3	99		233	
JUN	19		29.7	132		332	
JUL	26		18.9	79		260	
AUG	31		23.0	124		278	
SEP	30		29.0	183		540	
OCT	31		20.7	108		526	
NOV	26		2.0	13		54	
DEC	24		13.7	63		275	
YEAR	304		16.1	183		540	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - NW NO 62030 PORTAGE/CHURCH ST FORT FRANCES

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO 100	101 TO 300	301 TO 500	501 & OVER	TOTAL
JAN	335	14	1	4	10	5	0	0	369
FEB	401	22	6	12	6	3	0	0	450
MAR	522	77	30	34	21	24	0	0	708
APR	615	37	13	19	17	11	0	0	712
MAY	499	42	16	32	32	44	0	0	665
JUN	324	23	14	23	31	50	3	0	468
JUL	448	40	15	42	51	32	0	0	628
AUG	514	32	28	41	65	55	0	0	735
SEP	492	49	17	37	44	60	11	1	711
OCT	574	30	15	37	31	32	10	1	730
NOV	590	11	6	12	2	0	0	0	621
DEC	392	49	33	44	35	11	0	0	564
YEAR	5706	426	194	337	345	327	24	2	7361

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH  
MEAN

84.0

0

0.0

0.0

0.0

4.8

46.3

97.8

185.9

221.2

540

16.1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - NW NO 62032

CEMETERY COLONIZATION RD W. FORT FRANCES

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	5	0	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18	32	1	10	3
18	6	52	24	4	7	0	0	0	0	0	0	2	1	2	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	13	0	0	14	3
20	1	4	2	5	7	2	0	0	1	1	11	0	0	1	1	0	0	0	0	5	12	3	0	0	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	38	1	21	5	19
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	2	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	- DATA UNAVAILABLE -																								0.7
MEAN	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2	0	1	1	0.7

PERCENTAGE OF DATA VALID - 93.7

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 4.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS																UNITS - PARTS/BILLION									
STATION - NW NO 62032 CEMETERY COLONIZATION RD W. FORT FRANCES																MONTH - MAR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2	0	0	0	0	19	1	0	0	****	0	****	****	****	****	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	1	4	3	5	1	2	5	0	6	8	6	2	1	0	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	1	0	2	10	20	4	2	1	2	0	0	0	0	0	0	0	0	6
7	0	0	1	1	4	62	25	26	23	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	8	1	1	0	7	5	3	11	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	3	3	4	3	0	0	0	0	0	1	2	1	0	0	0	1	4	0	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	2	1	2	13
16	10	2	0	0	0	0	0	0	0	3	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	3	0	5	5	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	8	0
20	9	1	1	14	1	2	0	1	0	0	9	8	0	0	2	1	4	2	1	1	4	1	1	0	3
21	0	0	0	0	0	0	0	1	1	3	2	1	1	0	0	0	0	1	9	3	4	1	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	6	2	6	38	3	3
24	4	0	1	7	2	0	0	2	13	6	7	2	4	5	2	1	0	0	0	0	3	7	5	****	3
25	****	****	****	****	****	****	2	13	9	4	1	0	0	0	0	0	0	0	0	0	13	21	1	1	4
26	1	0	1	5	1	1	9	2	0	0	0	0	0	0	0	1	1	0	0	0	1	2	1	1	1
27	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	3	1
30	8	0	0	0	1	4	4	0	1	0	0	0	0	0	0	0	0	0	****	0	****	0	0	0	1
31	0	1	6	4	4	22	7	19	26	28	25	3	4	10	11	0	0	0	****	****	****	****	****	****	9
MEAN	1	0	1	1	2	4	2	3	3	2	2	1	1	1	1	0	0	0	0	1	2	1	1	2	1.4

PERCENTAGE OF DATA VALID - 89.1

PERCENTAGE OF DATA INVALID - 9.5

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION													
STATION - NW NO 62032 CEMETERY COLONIZATION RD W. FORT FRANCES															MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0			
2	1	2	9	16	10	9	4	11	6	13	23	13	20	1	3	14	10	7	2	0	2	7	11	9	8			
3	19	13	8	13	3	0	0	0	0	0	0	0	0	0	0	0	0	0	****	****	0	0	0	0	3			
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5	0	0	1	5	1	1	4	6	10	7	0	0	0	0	1	8	1	4	13	16	7	28	26	1	6			
6	16	29	1	4	33	24	2	7	2	0	0	0	0	0	0	0	0	****	****	****	****	****	****	0	0			
7	0	0	0	0	0	0	0	0	****	****	0	0	0	0	0	1	0	1	2	****	****	****	****	0	0			
8	0	0	0	0	0	0	37	28	****	****	0	0	12	2	0	4	30	40	43	21	****	****	46	44	15			
9	37	43	4	0	5	17	48	26	****	****	0	1	2	1	1	8	3	2	3	0	4	18	6	1	10			
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	15	21	2			
12	13	25	8	6	18	24	33	5	3	13	0	0	0	2	0	0	0	0	0	0	0	0	0	0	6			
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
15	0	0	0	1	1	1	2	0	1	1	0	0	0	0	0	0	1	1	2	10	2	1	0	0	1			
16	0	0	11	10	4	9	7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	17	5	3			
17	4	14	12	26	23	5	2	7	2	1	0	0	0	0	0	1	3	3	8	2	12	20	37	14	8			
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0			
19	0	7	7	0	0	2	5	3	2	4	0	1	4	4	4	3	2	3	3	6	0	0	0	0	3			
20	0	0	0	0	0	0	0	0	0	2	2	2	1	0	1	0	1	3	6	15	16	13	****	2	35	4		
21	6	1	3	3	13	10	0	6	5	4	0	0	0	0	0	0	0	0	0	0	2	9	3	3	3			
22	8	5	0	0	0	7	2	14	8	19	28	11	5	13	5	14	18	3	0	0	19	5	1	23	9			
23	23	9	0	0	0	0	****	****	****	0	0	****	****	18	52	38	29	13	****	****	****	0	0	0	11			
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	****	30	10	3	11	7	6	3			
25	2	5	4	7	3	0	0	19	5	3	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****			
26	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****			
27	58	5	2	1	12	2	3	3	4	1	0	0	0	0	0	0	0	0	0	1	3	72	20	9	8			
28	14	11	30	34	44	4	5	8	10	5	3	3	0	0	0	0	****	0	0	0	0	0	0	0	7			
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
30																												
	- DATA INVALID -																											
MEAN	7	6	4	5	6	4	6	5	2	3	2	1	2	2	2	3	4	3	5	4	3	8	8	7	4.3			

PERCENTAGE OF DATA VALID - 87.4

PERCENTAGE OF DATA INVALID - 12.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION											
STATION - NW NO 62032					CEMETERY COLONIZATION RD W. FORT FRANCES										MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	1	1	2	12	4	3	.....	
2	3	33	10	3	3	3	2	0	0	0	0	0	0	0	0	1	0	0	0	2	5	8	9	5	4	
3	5	6	25	27	5	2	2	2	0	0	0	0	2	1	0	2	8	0	0	0	0	0	0	0	27	5
4	29	1	0	9	1	0	0	0	0	0	0	0	0	0	0	0	.....	.....	3	0	3	6	35	54	6	
5	46	4	3	3	4	13	9	3	4	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	4	
6	19	3	45	54	14	22	28	19	3	0	0	0	0	0	0	0	0	0	0	0	0	0	7	9	2	
7	3	2	31	51	2	0	1	10	0	0	0	1	8	0	1	19	4	0	0	0	3	6	43	2	8	
8	22	16	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	2	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1	7	13	1	1	
10	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	6	7	13	3	2	
11	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	14	2	4	1	
12	14	5	1	1	4	1	1	0	0	0	0	0	0	0	0	1	2	0	1	3	0	1	3	0	2	
13	0	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	3	9	27	4	2	
14	17	2	1	9	7	6	7	3	0	0	0	0	0	0	0	0	0	0	0	0	39	15	3	0	5	
15	0	0	0	1	0	1	2	5	0	3	0	0	0	0	0	0	0	6	42	19	34	1	2	46	7	
16	42	10	7	8	13	38	32	14	3	3	1	11	6	10	7	30	25	10	49	45	28	35	4	1	18	
17	2	2	3	21	11	6	3	1	3	4	3	0	0	0	0	0	0	0	0	1	4	2	1	0	2	
18	1	4	10	24	4	1	1	0	1	1	0	0	0	0	3	2	1	1	0	2	8	6	6	5	0	2
19	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	1	0	1	1	0	9	2	1	2	
20	0	0	0	0	0	2	2	4	2	1	1	0	1	0	1	0	1	0	1	1	0	9	2	1	2	
21	15	7	0	0	0	0	0	0	0	0	2	11	2	0	0	0	0	0	0	0	0	0	0	0	0	2
22	0	5	23	29	18	17	15	9	18	5	6	47	4	3	4	1	3	7	1	17	40	5	0	0	12	
23	4	7	1	6	4	16	8	0	0	2	2	2	7	0	3	3	2	6	7	4	5	5	26	29	6	
24	5	3	9	1	0	1	1	0	0	0	1	17	2	4	22	6	0	0	1	16	4	14	19	5	5	
25	7	9	4	5	0	5	26	5	14	5	0	0	0	0	0	0	0	1	1	34	65	34	10	8	10	
26	5	4	34	14	6	16	7	1	2	4	1	11	10	8	1	9	7	1	1	16	19	14	0	0	8	
27	0	0	0	0	0	0	4	2	1	0	0	0	0	3	2	2	0	0	0	0	0	3	12	0	4	
28	21	11	5	2	2	1	0	0	1	18	4	0	0	0	0	0	1	2	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	1	0	0	1	1	2	0	0	1	1	1	2	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	9	5	7	9	3	5	6	3	2	2	1	3	2	1	1	3	2	1	4	5	10	8	8	7	4.4	

PERCENTAGE OF DATA VALID - 97.4      PERCENTAGE OF DATA INVALID - 2.6      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS		UNITS - PARTS/BILLION																							
STATION - NW NO 62032		CEMETERY COLONIZATION RD W. FORT FRANCES												MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	28	24	14	11	0	4	9	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	4
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	8	29	5	2	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	2	1	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2	0	1	0	0	0	2	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	1	1	1	1	0	16	15	8	2	4	3	5	8	15	27	35	61	120	57	4	5	68	3	19
10	1	3	2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4	0
12	2	11	0	0	0	0	0	0	1	0	0	0	1	1	2	0	0	0	0	0	2	33	21	3	3
13	109	23	3	3	0	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	6	31	0	8
14	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	6	2
15	1	0	0	0	3	6	2	0	3	0	5	9	0	0	3	1	8	0	0	0	0	0	0	0	1
16	1	3	0	1	1	2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	10	11	1	0	0	0	14	3	0	7	1	4	1	1	1	3	1	0	0	0	0	0	0	0	3
23	0	0	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	14	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	1	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	1	1	21	0	2	1	0	0	0	0	0	0	0	0	0	0	0	7	1	1	0	0	1
MEAN	6	3	2	1	1	1	2	1	1	1	1	1	0	1	1	1	2	3	5	2	0	2	5	1	1.7

PERCENTAGE OF DATA VALID - 96.4      PERCENTAGE OF DATA INVALID - 3.6      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION																			
STATION - NW NO 62032															CEMETERY COLONIZATION RD W. FORT FRANCES										MONTH - JUL 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	23	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2									
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
4	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	0	0									
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0									
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
7	0	10	4	9	9	0	0	0	0	0	0	0	2	1	0	0	1	3	3	5	6	4	3	0	0									
8	1	2	3	4	2	1	0	7	2	0	0	0	0	2	0	0	0	0	0	2	3	0	3	9	0									
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	3	2	0	0										
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1									
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	0	0	1	0	12	71	27	73	0	9									
12	91	75	103	103	78	63	11	16	28	0	0	0	0	0	3	3	5	6	6	4	2	0	0	0	27									
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
14	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
15	11	2	2	1	0	0	0	0	1	2	3	0	2	2	4	4	2	2	1	18	18	2	16	0	4									
16	8	0	0	0	5	16	31	47	7	10	16	2	2	3	2	4	1	0	0	3	8	7	9	0	8									
17	31	25	5	20	25	28	11	17	9	1	2	0	0	0	0	0	1	12	23	6	0	27	12	0	13									
18	15	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2									
19	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0									
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	2	0	0	0	0	0									
21	0	0	0	0	0	0	0	5	3	2	1	0	0	0	0	4	0	0	0	0	0	0	0	0	1									
22	0	3	1	0	0	0	0	1	1	0	1	3	0	6	7	8	7	6	4	0	0	1	3	1	2									
23	0	0	0	0	0	0	0	10	5	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2									
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	9	2	14	0	17	2									
25	0	12	3	5	4	6	19	29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4									
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
27	0	3	6	0	0	3	2	4	4	5	0	0	0	2	1	2	1	0	1	1	2	1	2	2	2									
28	5	2	20	21	28	29	15	29	35	18	25	0	0	2	14	22	15	1	2	2	3	2	1	2	14									
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0									
30	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
MEAN	9	5	5	6	5	6	4	4	3	3	1	2	1	2	2	2	2	1	3	2	5	3	5	2	3.4									

PERCENTAGE OF DATA VALID - 89.0

PERCENTAGE OF DATA INVALID - 11.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - NW NO 62032 CEMETERY COLONIZATION RD W. FORT FRANCES															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	2	2	2	3	0	0	0	0	0	0
2	****	0	0	0	0	0	0	0	0	0	0	0	****	2	2	0	0	2	2	2	2	0	0	0	1
3	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	****
5	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	1	0	1	18	1	0	0	0	0	7
6	1	****	****	****	0	50	19	21	3	4	1	1	0	****	****	13	8	3	9	16	3	5	1	8	
7	0	****	****	****	0	8	12	0	0	0	0	0	0	****	****	3	3	4	5	7	7	4	1	3	
8	0	****	****	****	0	0	0	0	0	0	0	0	0	****	****	0	0	0	0	0	3	4	4	1	
9	3	****	****	****	0	0	0	0	0	0	0	0	0	****	****	0	0	0	3	3	3	2	0	1	
10	0	****	****	****	0	0	0	3	2	3	0	2	1	0	****	****	1	13	16	1	9	3	0	3	
11	0	****	****	****	1	1	0	0	0	0	2	0	0	****	****	1	0	0	2	2	2	1	1	1	
12	1	****	****	****	2	53	31	0	0	0	0	0	0	****	****	0	1	1	50	7	13	10	20	18	
13	106	****	****	****	0	10	0	7	27	3	1	0	0	15	****	63	14	11	79	19	20	21	10	0	
14	0	****	****	****	0	0	1	1	0	1	0	0	2	0	****	0	-	-	-	-	-	-	-	****	
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31	-	-	-	-	-	-	-	-	-	****	****	1	4	4	3	2	14	3	44	****	****	****	****	****	****
MEAN	11	0	0	0	9	5	2	2	1	0	0	0	2	2	2	6	4	3	16	5	6	4	4	3	4.0

PERCENTAGE OF DATA VALID - 35.8

PERCENTAGE OF DATA INVALID - 10.3

PERCENTAGE OF DATA UNAVAILABLE - 53.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - NW NO 62032 CEMETERY COLONIZATION RD W. FORT FRANCES															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	****	****	****	****	****	****	****	****	5	0	0	0	0	0	0	0	0	0	0	****	0	0	0	****
2	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	27	0	0	1
3	1	14	8	23	11	10	9	27	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	****
4	0	0	0	0	0	0	12	0	****	1	2	2	1	2	3	4	0	1	0	0	****	****	****	****	1
5	- DATA INVALID -																								
6	- DATA INVALID -																								
7																									
8	4	16	32	20	4	10	15	19	****	****	****	****	****	****	****	****	****	****	****	****	****	20	24	20	****
9	25	31	12	0	4	7	11	7	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	4
10	0	0	0	0	5	10	15	3	****	17	4	2	8	7	21	11	9	8	4	1	****	22	6	3	7
11	0	3	3	9	7	4	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	****	1
12	0	0	0	0	0	0	0	0	****	0	0	0	0	13	22	76	24	5	5	0	****	0	0	0	7
13	0	0	0	5	18	22	90	57	****	****	****	****	****	****	****	****	****	****	****	****	****	77	28	6	****
14	17	9	12	5	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	2
15	0	0	0	0	0	0	0	0	****	- DATA INVALID -															
16																									
17																									
18	0	21	48	0	0	0	0	0	****	0	0	0	0	0	4	2	25	6	2	10	****	23	28	50	10
19	52	62	116	62	8	18	28	4	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	16
20	0	0	0	0	0	0	0	0	****																
21																									
22	0	0	0	0	0	0	0	0	****																
23																									
24	0	0	0	0	0	0	0	0	****	0	0	0	0	1	2	21	33	49	22	0	****	0	0	0	****
25	0	0	1	1	1	1	15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26																									
27	0	0	0	0	0	0	4	****	****	0	0	0	0	0	0	41	47	19	****	****	****	0	0	0	****
28	0	0	0	0	0	0	0	****	****	0	4	2	15	19	4	56	35	55	2	0	****	****	****	****	10
29																									
30	1	0	0	0	0	0	0	****	****	-	-	-	-	-	-	-	-	-	-	-	****	-	-	-	****
MEAN	5	8	12	6	3	4	9	7	0	2	1	0	2	3	4	12	11	12	4	1	****	8	5	5	5.8

PERCENTAGE OF DATA VALID - 52.5 PERCENTAGE OF DATA INVALID - 45.4 PERCENTAGE OF DATA UNAVAILABLE - 2.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - NW NO 62032 CEMETERY COLONIZATION RD W. FORT FRANCES															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	1	1	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	3	3	2	0	0	0	8	0	1
9	8	1	0	0	0	1	3	1	0	0	5	14	2	13	13	6	1	2	8	15	0	0	4	2	5
10	134	15	2	5	1	1	0	0	0	0	0	0	2	0	0	0	2	18	2	5	0	0	0	0	2
11	0	0	0	0	0	3	28	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	2
12	0	0	3	3	4	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	34	2	4
15	38	2	26	2	0	0	0	0	0	0	0	0	1	2	2	2	2	0	0	0	0	5	0	0	2
16	0	0	0	0	0	0	1	3	0	0	13	12	1	0	0	0	0	0	0	3	30	0	0	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	30	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	55	2	0	0	0	0	3
25	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1	1	0	0
26	1	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	2	2	2	2	0	2	3	9	12	24	0	0	0	0	3
29	0	1	2	14	24	27	6	3	0	2	6	17	14	23	33	36	21	17	43	0	0	0	0	0	14
30	19	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
31	0	0	23	0	9	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
MEAN	7	1	2	1	1	2	2	0	0	0	1	1	1	1	2	2	2	2	5	4	0	0	1	1	2.0

PERCENTAGE OF DATA VALID - 71.6 PERCENTAGE OF DATA INVALID - 16.7 PERCENTAGE OF DATA UNAVAILABLE - 11.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION										
		STATION - NW NO 62032					CEMETERY COLONIZATION RD W. FORT FRANCES					MONTH - NOV 78														
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	0	7	7	1	0	2	0	0	3	10	20	4	0	0	0	3
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	9	21	11	6	13	1	0	0
5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	2	1	1
12		1	1	1	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	4	13	12	0	0	0	0	0	3	8	4	2	0	0	0	0	2
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0
18		2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	1	0	0	0	4	6	4	0	0	4	2	14	0	12	69	20	6
23		23	32	5	8	32	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0
25		0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		2	7	3	1	0	1	2	0	8	5	4	7	2	2	2	11	2	10	23	18	29	10	17	8	8
27		15	2	3	8	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
28		0	0	0	0	0	0	0	0	2	2	2	1	5	7	2	0	11	10	0	4	1	19	2	1	3
29		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		1	2	1	1	2	0	0	0	0	1	1	0	0	1	0	0	1	2	1	3	1	2	3	1	1.1

PERCENTAGE OF DATA VALID - 96.0 PERCENTAGE OF DATA INVALID - 4.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS														UNITS - PARTS/BILLION										
		STATION - NW NO 62032 CEMETERY COLONIZATION RD W. FORT FRANCES														MONTH - DEC 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	1	0	0	2	2	2	3	2	3
3		3	4	7	11	10	10	3	2	0	0	0	0	3	2	2	2	0	1	1	1	1	0	0	2	0
4	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	0	0	0	0	6	22	4	8	5	5	3	2	3	0	0	0	0	0	0	0
7	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	***	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	0	0	10	3	3	2	0	0	0	3	6	8	6	2	2	0
11		0	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	6	15	2
12	37	20	***	21	0	0	0	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	0	3	7	12	***	24	6	0	2
15	5	2	1	1	1	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	0	0	0	0	0	0	2	2	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	2	2	2	1	1	0	0	0	0	2	1	0	0	0	0	0	0
19	0	0	0	0	2	0	0	0	0	19	15	10	11	9	1	3	7	1	0	16	18	22	17	7	8	7
20	1	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	9	22	8	21	36	15	10	12	6	6
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28		0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		1	5	2	2	14	34	33	4	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1	0	1
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	5
31		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		2	2	1	1	1	2	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1.2

PERCENTAGE OF DATA

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - NW NO 62032 CEMETERY COLONIZATION RD W, FORT FRANCES

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	0.7	4	52
FEB	DATA UNAVAILABLE			
MAR	28	1.4	9	62
APR	27	4.3	15	72
MAY	30	4.4	18	65
JUN	30	1.7	19	120
JUL	29	3.4	27	103
AUG	11	4.0	20	106
SEP	11	5.8	16	116
OCT	26	2.0	14	134
NOV	29	1.1	8	69
DEC	31	1.2	7	37
YEAR	281	2.5	27	134

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - NW NO 62032 CEMETERY COLONIZATION RD W, FORT FRANCES

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO 100	101 TO 300	301 TO 500	501 & OVER	TOTAL
JAN	684	8	2	2	1	0	0	0	697
FEB	DATA UNAVAILABLE								
MAR	643	10	7	2	1	0	0	0	663
APR	543	47	12	24	3	0	0	0	629
MAY	637	42	14	28	4	0	0	0	725
JUN	668	11	5	5	3	2	0	0	694
JUL	601	31	11	11	6	2	0	0	662
AUG	239	16	3	4	3	1	0	0	266
SEP	317	24	15	12	9	1	0	0	378
OCT	502	15	7	7	1	1	0	0	533
NOV	668	15	4	3	1	0	0	0	691
DEC	686	14	6	4	0	0	0	0	710
YEAR	6188	233	86	102	32	7	0	0	6648

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
82.2	0	0.0	0.0	0.0	0.0	6.1	14.3	27.6	38.5	134	2.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - NW NO 63046												MONTH - JAN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0
3	0	0	0	0	0	2	3	5	5	0	5	0	0	0	0	0	0	0	0	0	1	1	2	4	1
4	14	32	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
7	1	1	1	1	0	0	0	0	0	0	0	1	0	1	2	1	3	2	3	2	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	- DATA INVALID -																							- *****	
11	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*****
12	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	1	0	0	0	1	1	2	7	2	1
14	2	1	1	1	2	1	2	2	2	0	2	3	2	1	1	1	1	1	1	0	0	2	2	2	1
15	4	4	3	2	5	3	4	4	1	2	5	5	3	3	2	0	0	0	0	0	0	1	1	4	2
16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	1	3	3	3	1
17	4	2	1	2	2	1	3	4	1	2	1	3	3	0	0	0	0	0	0	-	-	-	-	-	2
18	- DATA UNAVAILABLE -																								
19	- DATA UNAVAILABLE -																								
20	-	-	-	-	-	-	-	-	-	-	-	-	*****	0	0	0	0	2	2	10	12	9	10	*****	
21	11	4	10	7	2	2	2	3	3	2	4	2	3	2	1	0	0	0	0	1	1	0	0	1	3
22	0	0	0	3	2	0	1	1	1	1	2	3	0	0	0	0	0	0	0	1	1	2	2	2	1
23	5	2	3	5	3	1	0	3	5	0	0	0	1	8	8	2	2	0	0	0	0	0	0	0	2
24	0	0	0	0	1	2	1	1	4	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	2	1	0	0	0	0	1	5	1	0	0	0	0	0	0	0	0	3	5	8	7	4	2
30	9	4	2	3	1	4	12	9	9	4	1	0	1	2	1	0	0	0	0	0	0	0	0	0	3
31	0	1	3	4	2	0	0	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1
MEAN	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 85.2

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 11.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - NW NO 63046												MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	3	2	1	2	3	3	2	3	0	1	2	0	0	0	0	0	0	0	0	2	3	6	2
2	4	1	0	1	1	0	2	1	1	1	0	1	1	0	1	0	0	0	0	2	2	3	2	1	1
3	2	2	1	1	1	1	2	1	1	3	2	3	2	9	9	2	0	0	0	0	0	1	0	2	2
4	2	2	0	1	2	2	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
8	0	0	1	1	1	1	3	2	1	1	2	0	0	0	0	1	1	0	0	0	2	2	1	1	1
9	2	2	4	2	4	4	2	1	8	1	14	11	2	***	0	0	0	0	0	0	5	10	7	1	3
10	0	0	1	5	8	5	1	3	4	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1
11	1	1	1	3	1	1	2	4	2	27	4	1	1	0	0	0	0	0	0	0	0	0	0	0	2
12	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	1	0	1	2	2	1	1	2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14	1	2	2	3	1	2	4	2	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
16	3	2	1	4	2	0	2	1	1	3	2	0	1	0	1	0	0	0	0	7	17	28	45	***	5
17	14	14	1	2	18	16	11	14	12	8	***	***	***	***	***	***	***	***	***	***	***	***	***	***	7
18	4	5	4	3	5	4	6	3	3	5	1	1	6	2	0	0	2	0	0	0	1	0	1	1	2
19	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	2	1	1	1	0
21	1	3	1	3	1	0	6	2	0	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1
22	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	1	2	1	0	1	0
23	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	3	0
24	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	1	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	3	0	0	1	7	1	0	0	1	0	0	0	1	1	0	0	0	1
27	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	1	1	3	1	3	1	2	5	2	3	0	0	0	0	0	0	0	0	1	1	3	8	1
MEAN	1	2	1	1	2	1	2	2	2	3	1	1	1	0	0	0	0	0	0	0	1	2	3	1	1.2

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - NW NO 63046 CAN-CAR BLDG MONTREAL ST. THUNDER BAY															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	6	9	1	6	9	7	6	4	2	1	0	0	0	0	0	0	0	0	15	0	25	43	6
2	32	22	8	12	2	4	5	6	7	2	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0
4	5	5	1	4	17	7	6	11	5	2	2	0	0	0	0	0	0	0	0	1	2	2	2	5	3
5	2	3	0	0	0	1	2	1	2	0	0	5	2	0	0	0	0	0	0	0	0	0	2	1	1
6	3	2	4	4	4	4	5	8	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
7	0	2	1	2	2	0	0	2	4	4	0	4	0	0	0	0	0	0	0	0	2	0	0	0	1
8	0	0	0	0	0	3	4	3	2	6	0	0	0	1	0	0	0	0	0	0	2	0	1	4	1
9	3	9	16	10	2	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0
11	1	1	0	0	0	6	4	3	9	1	0	0	0	-	-	-	-	-	-	-	-	-	-	-	*****
12														-	-	-	-	-	-	-	-	-	-	-	
13														-	-	-	-	-	-	-	-	-	-	-	
14														-	-	-	-	-	-	-	-	-	-	-	
15														-	-	-	-	-	-	-	-	-	-	-	
16														-	-	-	-	-	-	-	-	-	-	-	
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	7	8	9	3	*****
18	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	9	2	0	0	0	1	6	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0
20	0	2	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*****
21	0	0	0	1	1	1	0	2	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	2	0	0	0	0	12	21	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23	15	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
24	0	4	1	11	3	8	1	0	0	0	7	3	0	0	0	0	0	0	0	0	0	0	2	1	2
25	1	1	2	1	1	1	0	6	7	0	1	2	0	0	0	0	0	0	0	0	1	1	1	1	1
26	0	3	9	2	1	4	5	5	3	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2
27	0	1	1	2	4	1	2	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	6	4	5	7	9	1	0	1	2	1	2	4	0	0	0	0	0	0	0	0	0	2
30	0	0	0	0	1	4	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	3	2	3	2	3	2	3	3	2	1	1	0	0	0	0	0	0	0	0	1	1	2	3	1.4

PERCENTAGE OF DATA VALID - 79.2 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 19.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - NW NO 63046 CAN-CAR BLDG MONTREAL ST. THUNDER BAY															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	13	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	*****
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
4	0	0	0	0	0	0	4	4	4	1	0	1	3	2	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	2	4	1	0	0	0	5	0	0
6	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0
11	0	0	0	0	0	0	5	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	0
15	6	6	10	11	8	7	13	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	3	2	3	3	0	0	1	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17	0	0	1	1	6	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	1	3	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	0	1	3	3	15	1	3	0	0	0	1	3	3	0	0	0	0	0	0	0	1	0	0	1
22	1	1	1	4	4	3	3	2	5	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0
26	9	8	9	11	3	9	7	8	6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	5	3
27	13	15	13	7	10	2	3	8	1	5	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0
28	10	12	7	13	3	4	6	1	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.8

PERCENTAGE OF DATA VALID - 97.5 PERCENTAGE OF DATA INVALID - 2.4 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS												UNITS - PARTS/BILLION													
STATION - NW NO 63046												MONTH - MAY 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	6	9	4	1	18	24	6	12	17	9	6	2	0	0	0	0	0	0	0	0	0	0	0	1	5
3	2	1	0	1	3	2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	0
5	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	5	5	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
7	5	3	4	5	13	11	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
10	7	3	2	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	5	19	11	8	17	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0
16	7	8	17	7	8	9	6	2	4	21	0	0	0	1	0	0	0	0	0	0	0	0	0	1	4
17	9	5	12	12	8	6	4	5	10	23	12	0	0	0	0	0	0	0	0	0	0	1	1	8	5
18	11	17	24	12	3	18	26	15	23	15	9	6	1	0	0	0	0	1	1	1	0	0	0	0	8
19	0	13	7	2	0	1	17	9	21	5	1	0	0	1	25	37	15	5	2	1	0	0	0	0	7
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	....	....	....	....	0	0	0	0	0	0	0
21	7	9	4	12	2	5	1	8	9	4	3	7	5	0	0	0	0	0	1	1	0	0	0	0	3
22	0	0	2	3	3	8	15	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23	0	1	4	1	2	6	4	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
24	0	3	3	9	6	12	6	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
25	1	1	3	1	1	2	3	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0
27	0	3	1	1	0	5	7	11	0	0	0	2	5	4	2	0	0	0	1	0	0	0	0	2	2
28	0	0	9	2	8	11	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	3	3	3	3	4	4	3	3	3	1	1	0	0	1	1	1	0	0	0	0	0	0	1	1.6

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS													UNITS - PARTS/BILLION													
STATION - NW NO 63046													MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	
2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	1	
3	0	0	0	0	3	1	25	7	12	3	1	0	0	0	0	0	0	1	1	1	1	1	1	2	3	
4	2	2	1	0	1	1	0	1	2	0	0	0	0	0	0	0	1	1	2	0	1	1	6	2	1	
5	2	2	2	22	3	4	5	1	2	2	1	1	0	0	0	0	0	0	1	0	0	3	0	0	2	
6	7	0	0	0	0	0	3	19	0	3	0	2	3	0	1	3	6	0	0	0	0	0	0	0	2	
7	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
8	1	2	3	4	1	2	1	3	5	9	4	7	2	0	3	2	2	1	1	1	0	0	0	0	2	
9	0	0	0	0	0	1	0	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	
10	....	0	0	0	0	0	0	0	0	0	1	0	0	4	10	8	11	2	1	1	0	0	0	0	2	
11	3	1	1	2	5	7	7	6	8	13	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
13	5	17	12	10	13	6	6	7	12	6	2	2	0	0	0	0	0	0	0	0	0	1	2	3	4	
14	5	10	6	8	5	4	5	20	10	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	2	2	9	7	5	2	5	4	4	3	0	2	2	0	27	3	0	0	2	1	1	1	3	
18	0	0	0	1	8	6	5	6	5	4	4	2	2	3	4	3	2	29	0	1	2	10	21	1	5	
19	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
20	0	0	1	1	2	0	0	11	0	0	0	....	6	8	0	0	0	0	0	0	1	0	0	0	1	
21	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	1	0		
22	2	31	6	3	3	13	14	40	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
23	0	0	2	1	0	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	
25	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
26	18	7	8	5	1	0	4	7	4	6	2	0	0	0	0	0	0	0	0	0	4	0	0	0	3	
27	0	0	1	4	6	9	0	1	0	0	0	2	2	6	7	8	9	10	0	3	16	8	5	8	4	
28	4	11	13	4	30	11	17	4	1	4	0	0	0	0	0	0	0	0	0	0	5	4	6	4	5	
29	10	22	5	10	21	6	11	20	6	6	4	2	2	2	1	....	....	....	....	....	0	0	0	0	7	
30	0	0	0	0	5	2	0	3	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	
MEAN	2	4	2	3	4	3	4	5	3	3	1	1	1	1	1	1	2	2	0	0	1	1	2	1	2.0	

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



PERCENTAGE OF DATA VALID - 91.9      PERCENTAGE OF DATA INVALID - 7.9      PERCENTAGE OF DATA UNAVAILABLE - 0.1

2.      \*.\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

PERCENTAGE OF DATA VALID - 73.1      PERCENTAGE OF DATA INVALID - 4.6      PERCENTAGE OF DATA UNAVAILABLE - 22.3

2. \* - \* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION													
STATION - NW NO 63046 CAN-CAR BLDG MONTREAL ST. THUNDER BAY															MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	0	0	0	2	2	3	3	1	0	0	0	0	0	1	****	****	0	0	1	35	1	0	0	0	2			
2	0	0	0	0	0	0	0	0	6	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
3	0	0	0	0	0	0	0	0	4	2	3	4	0	0	0	0	0	0	0	0	0	1	0	0	1			
4	0	0	0	0	0	0	0	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0			
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0			
6	24	7	4	3	0	0	0	0	0	0	2	5	6	19	4	1	1	0	0	0	0	0	0	0	3			
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0			
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0			
10	0	1	1	0	1	0	3	2	2	1	1	3	0	0	0	0	0	0	0	0	0	0	0	2	1			
11	0	0	5	2	2	1	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
12	***	***	***	***	0	1	0	***	0	***	***	***	***	***	***	0	0	0	0	0	***	***	***	***	***			
13	DATA INVALID															0	0	0	0	0	0	0	0	0	0	0	0	0
14	***	***	***	***	***	***	***	***	***	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
15	0	1	7	10	11	6	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	7	7	12	3			
16	6	5	6	3	4	3	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
17	0	0	0	0	0	0	1	2	4	2	0	0	1	1	3	0	0	0	0	0	1	1	0	0	1			
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
19	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***			
20	14	7	11	15	11	2	8	***	***	***	0	***	***	***	***	0	0	0	0	2	4	0	6	9	6			
21	7	3	***	***	***	***	***	***	***	***	***	0	***	***	***	0	***	***	***	***	2	3	2	4	***			
22	3	1	2	3	4	2	1	7	4	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0			
23	1	***	***	***	***	***	***	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0			
24	1	2	0	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
25	0	3	3	4	5	3	3	4	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1			
26	0	0	0	1	2	1	1	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2			
27	1	4	7	7	7	2	0	1	4	2	1	0	0	0	0	0	0	0	0	2	0	0	0	0	1			
28	1	0	0	4	7	2	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	5	6	1			
MEAN	2	1	2	3	2	1	1	2	2	1	1	1	0	0	0	0	0	0	1	3	1	2	2	3	1.3			

PERCENTAGE OF DATA VALID - 78.9

PERCENTAGE OF DATA INVALID - 21.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS															UNITS - PARTS/BILLION										
STATION - NW NO 63046 CAN-CAR BLDG MONTREAL ST. THUNDER BAY															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	9	7	5	5	3	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
3	10	8	3	3	7	8	6	3	4	6	1	1	4	4	0	0	1	3	0	0	7	3	5	8	4
4	4	3	0	0	1	3	0	0	0	0	0	0	0	0	1	1	0	0	3	2	7	10	7	6	3
5	0	5	4	2	3	3	3	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0
8	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	17	0	0	0	0	1
9	0	0	0	0	0	0	0	0	4	0	1	0	0	3	0	0	0	0	1	1	3	4	1	6	1
10	0	6	2	5	8	9	11	7	6	6	7	5	0	0	0	0	0	0	0	4	6	6	9	1	5
11	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	22	16	16	7	9	0	4	4
12	1	6	3	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	1	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	4	2	6	5	3	3	5	4	3	2	2	0	3	1	0	0	0	0	0	0	6	0	0	3	0
15	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	3	2	4	8	4	2	4	2	1	4	2	0	0	0	0	0	0	0	0	2	4	1	1	2
17	1	5	7	8	1	3	6	2	2	4	20	10	17	7	2	14	16	6	3	15	14	13	0	4	8
18	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	1	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	16	7	17	11	5	2	1	4	14	4	0	0	0	0	0	0	0	2	3	2	3	13	12	2	5
27	7	3	1	0	0	1	1	5	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	7	4	5	11	3	2	1	4	2	1	0	0	0	0	1	1	3	1	0	2	2	2
29	0	0	1	1	3	5	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	0	0	0	0	0	1	4	3	19	20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	12	13	19	18	13	8	7	10	2	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	4	3	3	3	3	2	3	3	3	3	2	1	1	1	0	1	1	2	2	3	3	3	2	2	2.4

PER



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - NW NO 63046 CAN-CAR BLDG MONTREAL ST. THUNDER BAY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	25	0.9	3	32
FEB	28	1.2	7	45
MAR	23	1.4	6	43
APR	29	0.8	4	15
MAY	31	1.6	8	37
JUN	29	2.0	7	40
JUL	28	3.0	9	43
AUG	23	1.8	5	29
SEP	24	1.3	6	35
OCT	18	2.4	8	29
NOV	22	4.5	12	48
DEC	0	7.6	****	27
YEAR	280	1.9	12	48

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - NW NO 63046 CAN-CAR BLDG MONTREAL ST. THUNDER BAY

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO 100	101 TO 300	301 TO 500	501 & OVER	TOTAL
JAN	629	4	0	1	0	0	0	0	634
FEB	648	10	1	2	0	0	0	0	661
MAR	574	10	3	2	0	0	0	0	589
APR	692	10	0	0	0	0	0	0	702
MAY	705	26	8	1	0	0	0	0	740
JUN	657	23	6	4	0	0	0	0	690
JUL	623	41	13	7	0	0	0	0	684
AUG	518	24	1	1	0	0	0	0	544
SEP	552	11	2	3	0	0	0	0	568
OCT	472	27	1	1	0	0	0	0	501
NOV	442	75	8	6	0	0	0	0	531
DEC	10	3	1	0	0	0	0	0	14
YEAR	6522	264	44	28	0	0	0	0	6858

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
78.3	0	0.0	0.0	0.0	0.6	5.7	9.9	15.8	20.3	48	1.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - JAN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	3	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
31	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	5	3	3	3	2	2	3	3	4	4	4	3	3	2	3	3	4	3	3	3	2	2	2	3
2	2	2	2	2	2	2	3	11	6	5	5	4	3	2	2	3	3	3	3	3	3	3	3	3
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
10	3	2	2	2	2	2	3	4	5	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2
11	5	5	5	3	4	3	3	5	5	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	1	1	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	3	3	2	2	2	2	2	2	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	3	3	3	3	2	2	3	4	5	5	4	3	2	2	2	2	3	3	2	2	1	1	1	2
22	1	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	1	1	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	3	2	2	2	2	4	4	2
2	4	4	3	2	2	2	6	10	9	7	4	2	2	2	2	2	3	3	2	2	2	2	2	2	3
3	4	2	2	2	2	1	2	2	3	3	3	2	***	2	2	2	3	3	3	3	3	2	2	2	2
4	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
5	1	2	2	1	1	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	2	2	5	4	2	3	3	4	3	2	2	2	2	3	3	3	3	3	3	3	3	4	3	3
7	3	4	5	4	3	2	3	5	***	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3
8	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
9	2	2	2	3	3	3	4	7	7	4	4	6	6	4	3	2	3	2	3	4	4	3	3	3	4
10	3	4	4	3	3	3	4	5	5	***	3	3	3	3	2	3	3	2	3	3	3	3	3	3	3
11	3	3	3	4	2	2	3	2	2	2	2	3	3	3	3	3	3	3	3	3	2	***	3	3	3
12	3	5	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	3
13	3	2	2	2	2	3	2	4	4	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2
14	2	2	1	1	1	1	2	3	4	4	2	2	2	2	2	2	3	2	2	2	2	2	2	1	2
15	1	1	1	1	1	1	2	2	4	4	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
16	2	1	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	1	1	1	1	2	2	2	3	3	2	2	2	1	1	2	2	1	1	1	1	2	1	2
18	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	3	2	2	2	1	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
20	3	2	2	3	2	1	2	2	2	2	2	2	2	2	2	2	4	3	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	3	2	1	2	2	2	2	2	2	2	2	3	3	5	4	5	4	4	4	4	3	3
23	2	2	2	2	1	1	3	3	4	4	3	2	2	2	2	2	2	2	2	2	2	1	1	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	1	1	1	2	2	3	3	2	2	2	2	2	2	3	3	3	2	2	3	3	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
29	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2
30	2	3	2	2	2	2	3	4	4	4	3	2	2	2	2	2	3	2	2	2	2	2	2	2	2
31	2	2	2	2	2	2	3	3	3	2	***	2	2	2	2	3	3	3	3	3	3	3	3	2	2
MEAN	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	2	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	2	1	2	1	1
3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	4	3	4	2	2	2	2	2	2
4	2	2	2	2	2	2	2	3	3	5	2	3	3	3	3	3	3	3	3	3	2	2	2	2	3
5	2	1	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	5	3	2	2
7	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	3	5	3	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	1	1	1	1	2	1	2	3	2	1	2	2	2	1	2	2	2	2	2	3	1	2	2	2	2
13	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	2	1
14	2	2	2	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2
15	3	3	3	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	2	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
18	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	3	2	1	1	1	2	2	3	3	2	2	2	2	2	2	2	3	2	3	3	2	2	2	2	2
20	2	1	1	1	1	1	1	2	***	***	2	2	2	2	2	2	2	3	2	2	2	2	1	1	2
21	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	1	2
24	1	1	1	1	1	2	2	2	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	1	1	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2
26	2	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	3	2	2	2	2	2	2	2	2	2	2	***	-	-	-	-	-	-	-	-	-	*****
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 95.4 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 4.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2
2	2	2	2	1	1	1	2	2	2	2	1	1	2	1	1	2	2	1	2	2	1	1	2	2	2
3	2	2	2	3	3	4	6	6	3	2	3	2	2	2	2	2	2	1	1	2	1	1	1	1	2
4	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	1	1	1	1	1	2	1	1
5	1	1	1	1	1	1	2	2	2	2	2	3	3	2	3	3	3	3	3	3	3	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2
7	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2
8	2	2	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	3	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	1	1	1	1	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2
12	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	1	1	1	1	1	1	2	2	2	3	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2
16	2	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	3	4	4	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	2
19	4	3	3	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	3	3	5	4	3
20	4	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2
21	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	1	1	2	2	1
22	1	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	3	3	4	3	2	2	2	2	2	2	2	2	2	2	2
24	2	2	1	1	2	2	3	4	3	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
25	3	3	3	2	3	4	7	13	13	4	2	2	2	2	3	3	2	2	2	2	2	2	2	2	4
26	2	2	2	2	2	5	6	5	4	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3
27	2	3	3	2	2	2	3	2	3	4	3	2	2	2	2	2	2	1	1	1	2	2	2	2	2
28	4	4	4	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	2	2
29	1	1	2	2	1	2	3	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
31	1	2	1	1	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
MEAN	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2
2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
3	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	3	4	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
5	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
9	3	3	3	2	2	3	3	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	4	3	2	2	2	2	2	2	2	2
13	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
14	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	3	2	3	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	3	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	2
23	2	2	2	2	2	2	2	3	2	2	3	3	2	2	2	3	3	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2
26	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	1	1	2	3	3	2	2	2	2	2	2	2	3	3	2	2	2	3	3	3	3	3
28	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	3	3	4	4	4	3	3
29	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	3	4	4	4	4	5	4	3
30	4	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	4	3	4	4	4	4	4	4	3
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - SW NO 12008		467 UNIVERSITY AV WEST F2 WINDSOR																							
MONTH - JUL 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	3	3	3	3	3	3	3	2	4	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	1	1	2	2	2	2	2	3	3	4	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	1	2	2	2	2	2	2	2	2	3	2	3	3	4	5	4	4	3	3	3	3	3
22	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	3	3	3	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	3	3	3	3	3	2	3	3	3	3	3	3	2	2	2	2	2	2
31	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE										UNITS - PARTS/MILLION															
STATION - SW NO 12008										467 UNIVERSITY AV WEST F2 WINDSOR															
MONTH - AUG 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	2	3	4	4	3	4	3	3	3	2	2	2	2	2	2	2	2	3	3	2	
2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
3	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	
4	2	2	2	2	2	3	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
5	2	3	3	2	3	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
6	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
7	3	3	3	3	3	3	4	4	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	
8	3	2	2	2	2	2	2	4	2	2	2	2	1	2	2	2	1	1	1	1	2	2	2	2	
9	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	
10	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
11	2	2	2	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
12	2	2	2	2	3	3	3	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	4	3	
13	4	4	3	4	5	5	6	5	4	4	3	2	2	2	2	2	2	2	1	2	2	2	2	2	
14	2	2	2	2	3	4	7	6	6	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
15	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	
16	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	
17	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	
18	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
19	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
20	1	2	1	1	2	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
21	2	2	2	2	2	4	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
22	2	1	2	2	2	2	3	3	4	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	
23	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
24	3	4	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	
25	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
28	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
29	4	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	
30	3	3	3	3	2	3	4	5	5	5	4	3	3	3	3	3	3	2	2	3	3	4	4	4	
31	5	5	4	3	3	2	3	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
MEAN	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	







MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	2.2	4	6
FEB	28	2.4	3	11
MAR	31	2.2	4	10
APR	28	1.9	3	5
MAY	31	2.0	4	13
JUN	30	2.2	3	5
JUL	31	2.3	3	5
AUG	31	2.2	3	7
SEP	30	2.1	3	8
OCT	31	2.2	3	15
NOV	30	2.3	5	17
DEC	31	2.0	3	6
YEAR	362	2.2	5	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	126	541	52	0	0	0	719
FEB	53	554	59	1	0	0	667
MAR	123	557	57	2	0	0	739
APR	168	510	9	0	0	0	687
MAY	163	547	24	2	0	0	736
JUN	36	655	20	0	0	0	711
JUL	30	683	23	0	0	0	736
AUG	48	649	39	0	0	0	736
SEP	104	577	31	0	0	0	712
OCT	62	636	37	1	1	0	737
NOV	107	540	64	4	1	0	716
DEC	173	535	26	0	0	0	734
YEAR	1193	6984	441	10	2	0	8630

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.5	1	0.7	1.2	1.6	1.9	2.7	3.1	3.9	4.7	17	2.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	0	0	0
2	2	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
3	1	1	1	0	0	1	1	1	1	1	1	1	2	2	2	1	3	2	2	1	1	2	2	2	1
4	2	1	1	1	1	1	1	2	3	3	3	3	3	3	2	3	4	2	2	2	2	3	2	2	2
5	1	3	1	1	1	2	2	4	6	4	4	4	4	4	4	4	4	3	3	3	2	3	2	2	3
6	2	1	1	1	1	1	1	2	2	2	3	3	2	2	2	2	2	2	2	1	1	5	2	1	2
7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	1	1	1
8	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	1	0	0	1
9	1	1	1	0	0	0	1	1	1	1	1	1	1	***	2	3	3	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	2	1	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	2	3	3	3	3	3	3	***	2	4	4	3	3	2	3	1	1	2
13	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	2	1	1	5	1	3	2
14	1	1	1	1	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	1	1	3	1	1	1
15	2	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	2	2	2	2	3	3	3	***	3	3	3	3	3	3	8	6	5	3
17	3	2	1	1	1	1	1	2	2	1	1	2	2	2	1	2	3	3	1	1	1	2	1	1	2
18	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	3	3	4	1	1	2	3	4	3	2
19	2	2	1	2	2	1	2	4	7	4	2	2	3	2	2	2	2	3	2	3	1	2	1	1	2
20	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	3	3	2	2	2	2	1	1	2
21	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2
22	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	1	1	1	2	2	4	3	3	3	4	4	3	3	3	3	3	***	1	2	2	2	2	2
24	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	4	3	3	2	2	2	2	3	2	2
25	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	2	1	1	2	1	1	2
26	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	2	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
30	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	1.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	2	2	****	2	2	2	2	2	2	3	2	1	2	2	2	2	2	2
2	2	2	2	2	1	2	2	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2
3	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	4	3	4	4	2	4	8	3	4	2
4	6	5	5	5	3	2	2	2	3	4	3	2	2	2	2	2	2	2	2	3	2	4	2	3	3
5	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	2	1	1	3	2	1	1	1
6	1	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	3	3	2	3	2	2	1	1	2
7	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	3	2	1	1	2	2	1	1	1
8	1	1	1	1	1	1	2	4	3	2	1	1	2	3	2	2	4	5	3	2	2	2	2	1	2
9	1	1	1	2	1	1	2	3	3	****	2	2	2	2	2	2	3	2	1	2	2	3	2	2	2
10	2	1	1	1	1	1	2	3	5	2	2	3	2	2	2	2	2	2	2	1	2	2	2	2	2
11	1	2	2	1	1	1	1	2	2	2	2	1	2	2	2	2	2	1	1	2	2	2	3	3	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1	1
13	1	1	1	1	1	1	1	4	5	3	2	2	2	1	2	2	2	3	1	1	1	1	1	1	2
14	1	1	1	1	1	1	1	3	2	1	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
15	1	2	2	2	2	2	2	2	4	3	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2
16	2	2	1	2	1	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	1	2
17	1	1	1	1	1	1	2	2	2	***	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	1	1	2	2	2	2	2	2	2	3	2	2	1	2	3	2	2	3	2	4	2
19	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	2
20	2	2	1	1	1	1	2	3	4	3	3	4	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	1	1	2	2	3	2	2	2	2	2	2	2	3	3	2	1	1	1	2	2	2
22	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
23	1	2	1	1	1	1	2	4	3	3	3	3	4	4	3	4	3	2	2	2	2	2	2	1	2
24	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	4	4	3	2	2	2	1	1	2	2
25	1	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2	2	2	2	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
27	1	1	1	1	1	1	1	1	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	1	1	1	2	3	2	2	1	1	2	2	3	3	4	4	2	1	2	2	2	1	2
MEAN	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION											
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - MAR 78											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	1	1	1	2	2	1	1
2	1	2	1	1	1	1	2	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	2	2
3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	3	3	2	2	2
4	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1	2	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	1	1
6	1	1	1	1	1	1	2	5	3	3	2	2	2	2	2	3	2	2	2	3	3	4	4	2
7	3	3	1	1	1	1	4	5	4	4	4	2	2	2	2	3	3	2	2	2	2	1	1	2
8	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
9	2	2	2	1	1	2	5	7	3	2	2	3	3	5	4	4	3	3	3	3	4	3	2	3
10	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	3	3	3	4	2	3	3
11	3	2	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	2
12	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
13	1	1	1	1	1	1	2	2	2	1	1	2	2	1	2	2	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	2	1	2	1	1	2	2	2	3	2	2	1	2	2	1	1	1
15	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2	2	1	2	1	1	2
16	1	1	1	1	1	1	2	2	2	1	1	2	2	2	3	3	2	2	2	3	3	1	1	2
17	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2
18	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
20	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
21	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	1	1	1	1	1	1	2
22	1	1	1	1	1	1	2	2	3	3	3	3	3	2	2	3	2	1	1	1	2	1	1	2
23	1	1	1	1	1	1	3	3	2	1	2	1	2	2	2	2	2	1	2	1	1	1	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	1	1	2	2	1
28	1	2	1	1	1	2	2	2	3	3	3	2	2	2	2	1	2	1	1	1	1	1	1	2
29	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	3	2	3	2
30	2	2	1	1	1	2	2	2	1	1	1	2	2	2	2	3	3	2	1	1	2	1	2	2
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION											
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - APR 78											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
3	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	2	2	1	1	2	2	3	4	4	4	5	2	1	1	1	1	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	1	2	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	2	2	2	2	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
16	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	2	2	2	2	1
22	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	3	3	3	4	2
23	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	0	1
25	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0
26	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1
28	1	1	1	0	1	1	0	0	0	1	2	2	1	1	1	1	1	1	1	3	3	3	5	1
29	6	5	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA												MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	1	0	1	1	1	0	1	1	1	1	1	0	0	0	0	1	1	1	3	2	2	1
2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	2	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	1	2	2	1	1
5	1	1	1	1	1	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
6	2	1	2	1	2	1	1	2	1	1	1	1	1	1	1	1	0	0	1	2	2	0	0	2
7	0	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
9	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	1	1	0
10	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	2	0
12	1	1	1	1	1	2	3	2	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	1
13	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	1
14	-	-	-	-	-	-	-	-	-	1	0	1	0	0	0	1	1	0	0	0	1	0	0	0
15	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
17	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	1	2	1	1
18	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
19	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0	1
20													- DATA UNAVAILABLE -											
21													- DATA UNAVAILABLE -											
22													- DATA UNAVAILABLE -											
23													- DATA UNAVAILABLE -											
24													- DATA UNAVAILABLE -											
25													- DATA UNAVAILABLE -											
26													- DATA UNAVAILABLE -											
27													- DATA UNAVAILABLE -											
28													- DATA UNAVAILABLE -											
29													- DATA UNAVAILABLE -											
30													- DATA UNAVAILABLE -											
31													- DATA UNAVAILABLE -											
MEAN	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 57.9 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 41.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE				UNITS - PARTS/MILLION	
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	1.6	3	8	
FEB	28	1.8	3	8	
MAR	31	1.6	3	7	
APR	30	1.1	2	6	
MAY	31	0.8	2	7	
JUN	30	0.8	2	6	
JUL	17	0.7	1	3	
YEAR	198	1.2	3	8	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	382	328	28	0	0	0	738
FEB	244	394	31	0	0	0	669
MAR	394	327	17	0	0	0	738
APR	622	85	8	0	0	0	715
MAY	626	96	11	0	0	0	733
JUN	648	56	5	0	0	0	709
JUL	404	27	0	0	0	0	431
YEAR	3320	1313	100	0	0	0	4733

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.0	0	0.0	0.2	0.6	1.0	1.9	2.4	3.1	3.8	8	1.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6												- DATA UNAVAILABLE -													
7												- DATA UNAVAILABLE -													
8												- DATA UNAVAILABLE -													
9												- DATA UNAVAILABLE -													
10												- DATA UNAVAILABLE -													
11												- DATA UNAVAILABLE -													
12												- DATA UNAVAILABLE -													
13												- DATA UNAVAILABLE -													
14												- DATA UNAVAILABLE -													
15												- DATA UNAVAILABLE -													
16												- DATA UNAVAILABLE -													
17												- DATA UNAVAILABLE -													
18												- DATA UNAVAILABLE -													
19												- DATA UNAVAILABLE -													
20	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	1	1	1	1	1	0	0	*****
21	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
25	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	2	1	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
31	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 37.0

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 62.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0
2	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	1	0
5	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	1	0
7	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0
11	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	0
12	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0
14	0	0	0	1	1	1	2	3	1	0	0	0	1	0	0	0	1	0	0	1	1	0	0	0	1
15	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0
18	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
19	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	2	2	0
21	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1
22	0	0	0	0	0	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	1	0	0	1	1	3	2	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	1
24	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	1	2	0
26	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
27	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	0	0	0	0	0
28	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
30	1	1	1	1	1	1	1	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	3	0
MEAN	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0.3

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	1	1	1	0	2	3	4	2	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
2	1	1	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
5	0	0	0	0	0	0	2	1	0	0	0	0	0	0	1	1	0	1	2	3	1	1	1	1	1
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0
8	0	0	0	0	0	0	1	1	1	0	0	0	1	0	1	1	1	1	1	1	1	1	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1
10	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	1
11	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	0	1	1	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
14	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0
24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
26	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
28	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	2	2	0	1	1	1
29	1	1	0	0	0	1	3	3	1	0	0	0	1	0	0	1	0	1	1	1	0	0	0	0	0
30	1	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - CARBON MONOXIDE																	UNITS - PARTS/MILLION									
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA																	MONTH - DEC 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	
3	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	
6	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	
8	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
11	0	0	0	0	0	0	1	1	2	1	1	1	1	0	0	0	0	2	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
16	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	
22	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	
24	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
28	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	
29	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
30	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	
31	1	1	1	1	1	0	0	1	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.3	

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 3.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - CARBON MONOXIDE

## UNITS - PARTS/MILLION

## STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN		DATA UNAVAILABLE		
JUL	11	0.1	1	2
AUG	31	0.3	1	3
SEP	30	0.3	1	4
OCT	31	0.4	2	11
NOV	30	0.5	1	10
DEC	29	0.3	1	2
YEAR	162	0.4	2	11

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN		DATA UNAVAILABLE					
FEB		DATA UNAVAILABLE					
MAR		DATA UNAVAILABLE					
APR		DATA UNAVAILABLE					
MAY		DATA UNAVAILABLE					
JUN		DATA UNAVAILABLE					
JUL	274	1	0	0	0	0	275
AUG	715	15	0	0	0	0	730
SEP	694	14	1	0	0	0	709
OCT	707	17	10	3	0	0	737
NOV	677	32	2	1	0	0	712
DEC	706	6	0	0	0	0	712
YEAR	3773	85	13	4	0	0	3875

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
87.7	0	0.0	0.0	0.0	0.0	0.7	0.9	1.4	1.9	11	0.4

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0
2	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1
3	1	1	0	0	0	0	1	1	2	.....	.....	1	1	1	1	1	2	2	1	1	1	1	2	2	1
4	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	1
5	1	1	1	1	1	1	2	2	4	3	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
7	1	1	0	0	0	0	1	1	1	1	1	1	2	2	1	1	3	3	1	1	1	1	1	1	1
8	1	2	1	1	1	0	0	0	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
11	0	0	0	0	0	0	0	1	2	1	1	1	2	2	2	2	2	3	1	1	1	1	1	1	1
12	0	1	1	1	1	1	2	2	4	2	2	2	2	2	2	2	3	3	2	2	1	2	1	1	2
13	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
14	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	2	3	4	1	1	2	4	14	15	3	2	-	-	-	-	-	-	-	-	-	-	.....
17	6	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	.....	.....	0	0	0	0	1
18	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	2	2	2	3	1
19	2	1	1	1	0	0	1	3	4	3	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	1	0	.....	1	1	1	1	1	1	1	1	1	0
21	1	1	1	0	0	0	0	0	1	1	1	1	1	2	2	2	2	3	2	4	4	3	7	1	2
22	2	3	1	1	1	1	1	1	1	1	1	2	3	6	7	6	3	3	2	1	1	3	1	2	2
23	1	1	1	1	1	1	2	2	3	2	.....	1	2	1	1	2	2	3	2	2	1	2	6	9	2
24	1	1	1	1	1	1	1	2	3	2	2	1	2	2	2	2	3	2	1	1	1	0	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	1	1	1	1	2	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	1	1	0	-	-	-	1	1	1	1	2	4	2	2	1	1	4	7	1
31	1	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1
MEAN	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY











POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
2	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	4	1
3	0	0	0	0	0	1	1	2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	2	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	3	1	1
5	1	1	1	1	0	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
6	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0
8	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	3	2	3	1	1
9	0	0	0	0	0	1	2	2	1	1	0	1	0	0	0	0	0	1	1	1	1	1	1	0	1
10	0	0	0	0	0	1	3	2	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	0	1
11	1	1	1	1	0	1	4	4	2	0	1	1	1	1	1	1	1	2	1	1	1	1	1	0	1
12	1	0	0	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	1	2	2	1	1	1	1
13	1	1	1	1	1	2	3	3	1	1	0	0	0	0	0	1	1	0	0	0	1	1	1	0	1
14	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	1	0
15	1	0	0	0	0	0	0	0	1	1	0	0	1	1	1	2	2	1	2	3	5	5	3	1	1
16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	0	0	
17	0	0	0	0	1	3	7	5	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1
18	2	1	1	0	1	1	3	2	1	1	2	1	1	1	2	3	2	2	2	1	2	4	10	1	2
19	1	1	1	1	0	1	2	3	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
20	0	0	0	0	1	1	2	4	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21	- DATA INVALID -																								
22	- DATA INVALID -																								
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	3	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	2	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	1	1	2	2	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
27	1	0	0	1	1	1	3	4	2	2	2	1	1	1	1	1	1	2	2	1	1	2	3	1	1
28	1	1	1	1	1	1	2	2	1	1	0	1	1	0	1	1	0	1	1	1	1	1	1	1	1
29	2	2	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1
30	0	0	0	0	0	0	1	2	1	0	1	1	1	1	1	1	2	3	2	3	1	2	2	3	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
MEAN	1	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0.9

PERCENTAGE OF DATA VALID - 84.1

PERCENTAGE OF DATA INVALID - 15.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE																UNITS - PARTS/MILLION									
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON																MONTH - NOV 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	0	2	3	4	2	1	0	1	1	1	1	3	3	3	3	2	2	2	4	2
2	1	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	2	3	3	3	2	3	4	6	2
3	5	5	4	3	4	2	2	5	9	7	3	1	1	1	1	2	3	3	4	4	2	3	4	4	4
4	2	3	2	1	2	2	3	4	2	2	1	2	1	1	1	6	7	4	4	4	3	3	4	3	4
5	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
7	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	2	4	7	2	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2
9	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	4	4	4	1
10	2	2	1	1	1	1	1	4	3	2	1	1	1	1	1	1	1	1	2	2	3	2	3	1	5
11	1	3	1	1	1	1	0	1	1	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	1	2	3	1	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	0
14	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	0	0	0	0	0	0	1	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	3	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	2	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1	2	4	2
21	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
22	1	1	1	1	1	1	2	2	2	1	2	2	2	1	1	2	2	1	1	1	1	1	2	2	1
23	2	1	1	1	1	1	2	2	2	1	1	1	2	1	2	3	2	2	2	2	1	2	2	1	2
24	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1
26	1	2	1	0	1	1	1	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	2	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	1	1	1	1	2	2
29	1	1	1	1	1	1	2	5	6	4	2	2	1	1	1	2	2	2	2	1	1	1	1	2	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	4	2
MEAN	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	1.4

PERCENTAGE OF DATA VALID - 94.9

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SW NO 15001															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	2	2	2	2	3	3	3	3	3	3	***	2	3	4	3	2	1	2	1	1	1	2
2	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1
3	1	2	0	0	0	0	0	0	0	0	0	0	1	5	7	7	6	6	1	0	0	0	0	0	2
4	0	0	0	0	0	0	1	1	1	1	1	1	1	***	1	1	2	2	1	1	1	1	2	2	1
5	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	4	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
7	0	0	0	0	0	0	0	1	1	0	0	0	1	***	1	1	1	2	2	2	1	1	2	4	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
10	1	1	1	1	0	0	0	0	1	1	1	0	1	1	1	1	1	1	0	1	0	0	0	0	1
11	0	0	0	0	0	0	1	2	2	1	***	2	2	2	2	2	3	2	1	1	1	1	1	1	1
12	0	1	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
13	1	1	0	0	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	1	2	1	1	2	2	1	2	2	2	2	1	1	1	1	2	1	1
15	0	0	0	0	0	1	1	1	1	***	2	2	1	***	***	***	3	2	1	1	1	2	2	2	1
16	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1	1	2
17	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	1	2	2	2	1	2	1	1	1	1	1	1	1	1	0	0	0	0	1
19	0	0	0	0	0	0	1	1	1	1	***	***	1	1	1	1	2	1	1	1	1	1	1	1	1
20	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1
21	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	3	3	2	1	1	1	2	1	1
22	1	1	1	1	1	1	1	2	1	***	1	1	1	1	2	2	2	1	2	2	1	1	1	1	1
23	0	1	1	0	1	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1
24	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
25	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	0	1
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	0	0	0	0	0	1	2	***	***	1	1	1	1	1	1	2	1	2	2	1	2	1	1
29	1	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	1
30	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	6	2	2	2	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0	0	0	1
MEAN	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE			UNITS - PARTS/MILLION		
STATION - SW NO 15001			WESTERN FAIR GROUNDS KING/RECTORY, LONDON		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	30	1.0	2	15	
FEB	28	1.4	3	12	
MAR	31	1.0	3	11	
APR	30	0.6	1	5	
MAY	25	0.7	2	7	
JUN	24	0.8	2	7	
JUL	31	0.4	1	5	
AUG	31	0.7	2	7	
SEP	30	0.5	1	4	
OCT	24	0.9	2	10	
NOV	30	1.4	4	11	
DEC	31	1.0	2	7	
YEAR	345	0.9	4	15	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	580	124	17	1	2	0	724
FEB	453	164	42	5	0	0	664
MAR	621	82	29	1	0	0	733
APR	662	41	6	0	0	0	709
MAY	548	36	13	0	0	0	597
JUN	531	81	7	0	0	0	619
JUL	715	24	2	0	0	0	741
AUG	669	56	11	0	0	0	736
SEP	671	38	3	0	0	0	712
OCT	521	91	13	1	0	0	626
NOV	469	172	40	2	0	0	683
DEC	606	116	9	0	0	0	731
YEAR	7046	1025	192	10	2	0	8275

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS DISTRIBUTION, PERCENT										ARITH MEAN
	MIN	10	30	50	70	90	95	98	99	MAX	
94.5	0	0.0	0.0	0.2	0.7	1.5	2.0	3.4	4.4	15	0.9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - WC NO 26029

TRAILER EDNA/FREDERICK ST

KITCHENER

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	4
2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	1	2	1	1	1	1	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
11	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	3	4	5	4	3	3	3	2	2	2
13	2	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
14	2	2	2	2	2	3	3	3	3	3	4	3	3	3	3	3	3	2	1	1	1	1	1	1	1
15	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1	2	4	2
17	4	2	1	1	1	2	4	6	6	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
18	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	4	5	4	3	3	3	5	2
19	4	6	4	1	1	1	4	7	10	5	2	2	3	2	2	2	3	3	2	1	1	1	1	1	1
20	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	1	2	2	1	1	1
21	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	1	2	1	1	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
25	1	1	1	1	1	2	3	5	5	4	3	2	2	2	2	3	3	2	2	2	1	1	1	1	1
26	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
27	1	1	1	1	1	1	2	3	5	5	3	4	3	2	2	3	3	2	1	1	1	1	1	1	2
28	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	3	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
30	1	1	1	0	1	1	1	2	3	2	2	1	1	1	2	1	2	2	1	1	1	1	1	1	1
31	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	1	1	1	1	1	1	2
MEAN	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1.7

PERCENTAGE OF DATA VALID - 93.3

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 5.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER												MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	1
2	2	2	2	2	2	2	2	4	8	4	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2
3	2	3	2	2	2	1	4	10	9	6	4	2	2	2	2	2	4	4	4	2	2	3	3	2	3
4	2	2	3	2	2	2	3	5	6	6	3	2	3	3	3	3	2	3	2	5	6	5	3	4	3
5	4	4	3	2	2	1	1	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	1	1	2
6	1	1	1	1	1	1	2	3	4	2	2	3	3	2	3	4	4	2	1	1	1	1	2	2	2
7	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	3	4	4	3	3	3	3	2	2	2	2	3	5	4	3	3	2	1	2
9	1	1	1	1	1	1	3	6	5	3	3	3	2	2	2	2	3	4	3	2	2	2	2	1	2
10	1	1	1	1	1	1	2	3	3	2	2	2	2	1	1	2	2	2	2	2	2	1	1	1	2
11	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	2	2	3	4	2	2	2	2	2	2	3	4	3	3	2	2	2	2	2
14	2	2	2	1	1	2	3	4	4	2	2	2	2	2	2	2	3	3	2	1	1	1	1	4	2
15	2	3	2	2	1	2	7	9	16	2	2	2	1	1	1	1	2	2	2	2	2	1	1	1	3
16	1	1	1	1	1	1	2	3	3	2	2	2	1	1	1	1	2	2	2	2	2	1	1	1	1
17	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1	2	2	2	2	2	2	2	1	1	1
18	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	1	1	2
19	1	1	1	1	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	3	4	1
20	3	2	2	2	2	2	6	8	8	6	4	2	1	1	1	2	3	4	2	2	2	2	2	2	3
21	1	1	1	2	1	2	3	6	5	3	2	2	2	1	2	3	3	3	2	2	1	1	1	1	2
22	1	1	1	1	1	1	1	2	2	1	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	2	3	2	1	1	1	1	1	1	1
26	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2
27	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1
28	1	1	1	1	2	1	2	6	7	1	1	1	1	1	1	2	2	3	2	2	2	2	2	3	2
MEAN	1	1	1	1	1	1	2	4	4	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION															
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER												MONTH - MAR 78															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	2	2	2	1	1	1	2	2	2	1	1	1	1	1	3	2	2	2	1	1	1	1	1	1	1		
2	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	2	2	1	2	4	4	4	3	4	2		
3	4	2	1	1	1	1	4	5	3	2	2	2	2	2	2	3	3	4	2	1	1	1	2	1	2		
4	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1		
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
6	1	1	1	1	1	2	6	6	6	2	2	2	2	2	2	2	3	2	2	1	2	1	2	2	2		
7	2	1	1	1	1	2	6	11	9	***	4	4	1	1	1	2	3	2	2	2	3	2	1	1	3		
8	1	1	1	1	1	2	4	5	4	2	1	1	1	1	2	2	3	2	2	4	2	4	5	5	2		
9	3	3	2	2	2	2	4	6	6	5	1	1	1	1	1	2	2	2	1	1	1	2	4	2	2		
10	1	1	1	1	1	1	5	7	4	2	1	2	1	1	1	2	3	2	3	5	4	2	2	2	2		
11	1	1	1	0	1	1	1	1	1	1	2	2	1	0	1	2	2	1	1	1	1	1	1	1	1		
12	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	2	1	1	1	1	1		
13	0	2	1	1	1	1	3	4	4	4	2	1	1	1	2	1	2	2	1	1	1	1	1	1	2		
14	1	1	1	1	1	1	2	1	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1		
15	1	1	1	1	1	1	1	2	2	1	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1		
16	1	1	1	1	1	1	4	5	4	2	2	2	2	2	2	3	4	4	2	2	2	2	2	2	2		
17	2	2	1	1	1	1	3	4	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1	2		
18	1	1	2	1	1	1	1	2	1	2	2	2	1	2	2	2	2	2	1	1	1	1	1	1	1		
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
20	1	1	1	2	1	2	4	7	2	***	1	1	1	1	1	2	3	2	1	1	1	1	1	1	2		
21	1	1	1	1	0	0	2	2	2	1	2	2	1	1	1	1	1	1	0	1	1	0	0	1	1		
22	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	0	0	0	1	1		
23	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1		
24	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
27	0	***	***	***	***	***	***	***	***	***	1	2	-	-	-	-	-	-	-	-	-	-	-	-	*****		
28	- DATA UNAVAILABLE -																										
29	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	2	2	2	2	2	2	1	1	1	*****		
30	1	1	1	1	1	2	3	3	2	2	2	1	1	1	1	2	1	2	1	2	1	1	1	1	1		
31	1	1	1	1	2	3	8	7	6	3	2	1	1	2	2	3	3	2	2	2	2	2	1	2	3		
MEAN	1	1	1	1	1	1	3	3	3	2	2	1	1	1	1	2	2	2	1	2	1	1	1	1	1.6		

PERCENTAGE OF DATA VALID - 92.2 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 6.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - WC NO 26029														TRAILER EDNA/FREDERICK ST KITCHENER											
														MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2
4	1	1	1	1	1	2	3	4	4	3	2	2	2	3	2	2	4	3	2	2	1	1	1	1	2
5	1	1	1	1	1	1	2	2	***	1	1	1	1	1	1	1	2	2	2	2	3	4	2	6	2
6	5	4	4	2	1	2	3	3	2	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2	2
7	2	2	1	1	1	1	1	1	2	1	1	2	1	1	2	2	2	2	1	2	2	2	1	1	1
8	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	1	1	2	2	2	2	2	2	2
9	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
10	0	0	0	1	1	1	1	1	1	***	0	0	1	1	1	2	2	2	2	1	1	1	1	1	1
11	1	1	1	1	0	1	2	6	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
12	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	2	3	2	1	1	1	1	1	2	2	3	2	2	3	2	1	1	2	2
18	1	1	1	1	1	2	2	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	0	0	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
20	0	1	0	0	0	1	2	3	2	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1
21	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	1	1
23	2	4	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	2	2
24	2	1	1	1	1	2	4	***	2	2	2	2	2	2	2	2	3	3	3	3	2	2	1	1	2
25	2	1	1	1	1	1	3	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2
26	2	2	1	1	1	1	3	2	2	1	1	1	2	2	2	2	3	3	2	3	3	2	2	1	2
27	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
28	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	4	3	3	3	3	2	2	2	2
29	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	2	2	2	1	MEAN	1	1	1	1	2	2	2	2	2	2	1	2	1	1.4

PERCENTAGE OF DATA VALID - 99.4      PERCENTAGE OF DATA INVALID - 0.6      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - CARBON MONOXIDE											UNITS - PARTS/MILLION																
	STATION - WC NO 26029					TRAILER EDNA/FREDERICK ST					KITCHENER				MONTH - MAY 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1			
3	1	1	1	1	1	1	2	2	1	1	1	2	1	1	2	2	2	2	2	2	2	3	3	2	2			
4	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1			
5	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1			
6	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2			
7	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1			
8	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	1	1	1	1	1	1	1	2			
9	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1			
10	1	1	1	1	1	1	1	2	2	2	1	1	2	3	3	3	2	2	1	2	2	5	4	2	2			
11	3	3	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	1	1	1	1			
12	1	1	1	1	1	1	3	4	3	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1			
13	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1			
14	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
15	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	1	1	1			
16	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2			
17	1	1	1	1	0	1	4	3	1	1	1	1	1	1	2	3	2	2	2	2	2	3	3	2	2			
18	2	2	2	1	1	3	6	4	2	1	1	1	1	1	2	3	2	2	2	2	2	3	3	2	2			
19	4	2	2	2	2	5	2	1	1	1	1	1	1	1	2	2	2	1	1	1	0	1	0	2	0			
20	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0			
21	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1			
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	7	7	2	2			
23	1	1	1	1	1	4	4	3	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1			
24	1	1	1	1	1	3	3	3	2	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	2			
25	1	1	1	1	2	5	2	2	1	2	2	2	2	2	2	3	3	3	2	3	2	2	1	1	2			
26	2	2	1	1	2	4	6	6	3	2	2	2	2	2	2	3	3	2	2	4	2	3	3	3	3			
27	4	4	3	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	3	4	2	1	2	2			
28	3	2	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1			
29	2	1	1	1	1	2	4	3	1	1	1	1	1	1	1	2	2	1	1	1	2	3	2	2	2			
30	2	1	1	1	1	3	4	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1			
31	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1			
MEAN	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	1	1	1	2	2	2	1	1.4			

PERCENTAGE OF DATA VALID - 100.0      PERCENTAGE OF DATA INVALID - 0.0      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION																							
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER													MONTH - JUN 78																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN											
1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	2	1	2	1	1	1	1	1	1	1											
2	0	0	0	0	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	1	1	1											
3	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2											
4	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											
5	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	3	2	2											
6	2	2	2	2	3	5	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2											
7	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	2	3	2	1	2	2	1	0	0	1											
8	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1											
9	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1											
10	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											
11	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
12	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	1	0	0											
13	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1											
14	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1											
15	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1											
16	1	0	0	0	0	1	3	3	3	1	1	0	1	1	1	2	2	1	1	1	1	1	1	1	1											
17	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0											
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0											
19	0	0	0	0	0	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	1											
20	3	1	1	1	1	3	4	4	3	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2											
21	1	1	1	1	1	3	4	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1											
22	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1											
23	1	1	1	1	1	2	2	2	2	2	2	2	1	2	3	2	2	2	2	2	1	1	2	2	2											
24	2	2	1	1	1	2	2	2	2	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	2											
25	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											
26	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0											
27	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	2	2	1	1	1	1											
28	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2											
29	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	3	2	2	1	1	2											
30	1	1	1	1	1	3	3	3	2	2	2	3	3	3	3	4	4	3	3	3	3	2	2	2	2											
MEAN	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1.1											
PERCENTAGE OF DATA VALID -100.0													PERCENTAGE OF DATA INVALID - 0.0												PERCENTAGE OF DATA UNAVAILABLE - 0.0											

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	2	2
2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
4	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3	4	4	2
5	4	4	2	2	2	2	4	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
6	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0
7	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	2	-	-	-	-	-	1	1	1	2	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	1
14	0	0	0	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
15	3	2	2	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0
17	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	2	1	1	1	1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1
20	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	3	2	2	2	2	2	1	1	1
21	1	1	1	1	0	1	3	4	3	2	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1
22	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	2	1	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	1	3	3	1	1	1	1	1	1	2	2	1	2	1	2	2	2	2	1	1
25	1	1	1	1	1	3	5	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	1	1
31	2	2	1	1	2	3	5	3	2	2	2	2	2	2	1	2	1	1	1	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1
PERCENTAGE OF DATA VALID - 99.2															PERCENTAGE OF DATA INVALID - 0.1					PERCENTAGE OF DATA UNAVAILABLE - 0.7					

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER												MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	2	1	1	1	1	1	1	1	1	****	1	1	3	2	1	0	1	1	2	3	2	2	
2	1	2	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1
3	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	****	0	1	1	1	1	1	1	1	1	1	3	3	1
5	3	3	2	1	1	1	2	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	1	1
6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
8	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
9													- DATA UNAVAILABLE -												
10													- DATA UNAVAILABLE -												
11	-	-	-	-	-	-	-	-	-	-	-	-	****	1	2	1	1	0	1	2	1	1	1	1	*****
12	1	1	1	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	****	****	1
13													- DATA UNAVAILABLE -												
14													- DATA UNAVAILABLE -												
15													- DATA UNAVAILABLE -												
16	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
18	2	2	2	2	2	2	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	4	4	3	2	2	2	2	2	2	2	3	3	2	2	3	3	2	2	2
22	2	2	2	2	2	3	7	7	6	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3
23	3	2	2	2	2	3	4	6	6	5	2	2	2	2	2	2	2	2	2	2	2	1	1	1	3
24	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	4	2	2	2	2	2	1	1	1	2
25	2	1	1	1	1	2	4	3	3	2	2	3	2	2	2	3	3	2	2	2	2	3	3	2	2
26	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
28	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
29	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
30	1	1	1	2	1	3	8	9	5	2	1	1	1	1	2	2	2	2	2	2	3	2	1	2	2
31	1	1	1	1	1	2	4	4	3	2	2	2	2	2	2	2	2	2	2	3	3	2	2	1	2
MEAN	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 80.5

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 18.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	4	3	3	2	2	2	2	2	2	3	3	2	3	5	4	1	1	1	2
2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	3	2	2	2	3	2	1	1	1	2
6	1	1	1	1	1	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7																- DATA INVALID -									
8																- DATA INVALID -									
9																- DATA INVALID -									
10																- DATA INVALID -									
11																- DATA INVALID -									
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	2	2	2	2	3	2	2	2	2	2	2	2	.....
13	2	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
14	1	1	1	1	1	2	3	4	3	3	3	2	2	2	2	2	4	4	2	1	1	1	1	1	2
15	1	0	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1
16	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
19	1	1	1	1	-	-	-	-	2	1	1	1	2	1	1	3	3	1	3	2	2	1	1	1	2
20	1	1	1	1	1	3	3	3	4	2	1	1	1	1	1	1	0	1	1	0	1	2	1	0	1
21	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	0	1
22	0	0	0	0	0	1	2	2	2	1	1	2	2	1	2	2	2	2	3	2	2	1	2	2	1
23	4	3	2	2	2	3	4	3	3	2	2	2	2	1	1	2	2	1	1	1	2	1	2	2	2
24	3	3	2	2	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
25	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1	2	3	2	1	1	2	2	...	...	1
26	1	1	1	1	1	4	8	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	2
27	0	1	0	0	1	1	1	2	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	1	1
28	0	0	1	1	1	2	3	2	1	1	1	1	1	1	2	2	2	2	2	2	1	2	4	3	2
29	3	2	2	2	2	4	7	9	5	2	2	1	1	1	2	2	3	2	2	1	1	2	2	3	3
30	4	3	1	1	1	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
MEAN	1	1	1	1	1	2	3	3	2	2	2	1	1	1	2	2	2	2	2	2	2	1	1	1	1.1

POLLUTANT - CARBON MONOXIDE																UNITS - PARTS/MILLION									
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER																MONTH - OCT 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	0	0	1	2	4	3	2	1	2	1	1	1	1	3	3	2	3	2	1	1	2	2	2
3	2	2	1	1	2	4	6	5	3	2	2	2	2	1	1	2	4	2	2	1	1	1	1	0	2
4	1	1	0	0	0	1	1	2	1	2	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1
5	1	1	1	1	1	2	2	5	3	1	1	1	1	1	2	1	3	2	2	1	1	1	1	1	2
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
9	1	1	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	2	4	3	1
11	1	1	1	2	2	5	15	10	3	2	1	1	1	1	1	1	2	1	1	1	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
13	0	0	1	1	1	1	2	3	2	2	2	2	2	2	2	3	2	3	2	2	1	1	1	1	2
14	2	1	1	1	1	1	2	2	2	3	3	3	3	3	2	2	1	1	1	1	2	1	1	1	2
15	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
16	1	1	1	1	1	2	3	3	2	2	2	2	2	2	3	4	3	3	3	2	2	2	2	2	2
17	2	2	2	1	1	5	10	6	5	3	2	1	2	1	2	2	2	2	3	1	1	1	1	1	2
18	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
19	1	1	0	0	0	2	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	0	1	1
20	0	0	0	1	1	2	3	5	4	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1
21	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
23	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1
24	1	1	1	1	1	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
26	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
27	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
30	1	1	1	1	1	2	5	8	6	2	1	1	0	0	0	1	1	2	2	1	1	0	1	0	2
31	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	1	1
MEAN	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE																UNITS - PARTS/MILLION									
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER																MONTH - NOV 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	1	3	4	3	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1
2	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	4	5	5	3	1	4	4	2
3	5	2	2	2	2	2	4	9	9	8	2	1	0	1	1	1	2	4	7	6	4	2	2	1	3
4	1	1	1	1	0	0	2	4	5	2	1	1	1	1	1	1	1	1	2	2	3	6	6	8	2
5	9	10	10	4	4	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	1
7	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	3	4	3	1	1	1	1	2	1
8	1	2	2	1	1	2	3	6	16	7	0	0	1	1	1	1	1	1	1	1	0	0	0	0	2
9	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	4	5	6	2
10	5	5	2	2	2	2	5	7	8	4	2	2	2	2	2	3	3	3	2	2	2	2	2	2	3
11	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	2	3	3	2	3	3	3	3	4	4	5	5	3	2	1	1	1	1	2
14	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	4	4	4	5	6	8	9	3
16	5	4	3	1	1	1	4	9	12	3	1	2	1	2	2	2	2	3	2	2	2	2	1	1	3
17	1	1	1	1	1	1	1	2	2	3	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
20	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	3	3	2	2	1	2	2	2	2
21	2	2	1	1	1	1	2	3	3	3	2	2	2	2	2	3	3	4	4	3	2	2	2	2	2
22	2	1	1	1	1	1	2	3	3	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2
23	2	2	2	2	2	2	3	4	3	3	2	2	3	4	2	2	2	2	2	1	2	1	1	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1
25	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	2	2	2	3	2	2	2	2	2
26	3	3	2	2	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	3	2	2	1	1	1	1	2	1
28	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
30	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
MEAN	2	2	1	1	1	1	2	3	3	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	1	1	2	1	2	1	1	2	2	2	2	1	1	1	1	1	
2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	4	4	4	5	2	2	1	1	2
3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	2	2	1	1	2
4	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
5	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	2	1	2	1	2	1	1	2	2	2	2	1	1	1	2	1
7	1	1	1	1	1	1	2	3	3	2	2	2	1	1	1	2	2	2	2	2	2	3	3	2	2
8	3	2	1	1	1	1	1	1	2	1	1	1	1	1	2	3	4	3	1	1	1	1	1	0	1
9	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
10	1	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
11	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	2	2	3	1	1	2	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
15	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	3	4	3	2	2	2	1	1	1
19	1	1	1	1	1	1	2	2	3	2	2	1	2	2	2	2	3	4	3	3	2	2	2	1	2
20	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	1	2	1	1	1	2	2	2	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	5	6	8	5	3	5	3	3
24	4	3	1	1	1	1	2	1	1	2	2	2	2	2	2	2	1	1	1	1	2	2	2	1	2
25	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1
26	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	2	3	2	2	1	1	2	2	3	4	7	8	4	4	4	4	5	3
29	4	4	2	2	2	2	3	4	3	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	2	2	3	2	2	2
31	2	3	2	2	2	2	2	2	2	3	3	2	3	3	2	2	2	2	2	2	1	2	1	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1.3

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE				UNITS - PARTS/MILLION			
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER							
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING			
JAN	28	1.7	4	10			
FEB	28	1.8	3	16			
MAR	28	1.6	3	11			
APR	30	1.4	2	6			
MAY	31	1.4	3	7			
JUN	30	1.1	2	6			
JUL	31	1.1	2	5			
AUG	25	1.4	3	9			
SEP	23	1.6	3	9			
OCT	31	1.3	2	15			
NOV	30	1.7	3	16			
DEC	31	1.3	3	8			
YEAR	346	1.4	4	16			

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	381	265	47	1	0	0	694
FEB	322	301	44	3	1	0	671
MAR	443	196	45	2	0	0	686
APR	459	244	13	0	0	0	716
MAY	491	230	23	0	0	0	744
JUN	529	183	8	0	0	0	720
JUL	537	188	13	0	0	0	738
AUG	375	206	17	1	0	0	599
SEP	308	243	18	1	0	0	570
OCT	561	161	17	2	1	0	742
NOV	431	228	52	8	1	0	720
DEC	532	187	24	0	0	0	743
YEAR	5369	2632	321	18	3	0	8343

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.2	0	0.0	0.4	0.7	1.2	2.0	2.8	3.9	5.2	16	1.4

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - WC NO 27037

NORTH/GENEVA STREET, ST. CATHARINES

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
4	-	-	-	-	-	-	-	-	-	-	2	0	1	1	0	1	1	1	1	1	2	***	1	1	*****
5	0	1	1	0	1	1	1	4	3	2	1	1	1	1	2	3	2	3	3	2	2	2	2	2	2
6	2	2	2	1	1	1	1	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
7	0	1	0	0	0	1	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1
8	2	2	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
10	1	0	0	0	1	0	1	1	1	1	1	1	1	****	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	1	***	1	1	1	1	1	2	2	2	2	1	1	1	1	2	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
17	1	1	1	0	0	1	2	4	3	***	***	2	2	1	2	2	2	1	2	1	0	0	0	0	1
18	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	2	3	4	3	2	2	2	2	1
19	1	1	1	1	1	1	2	2	3	1	1	2	1	1	1	1	2	1	1	0	1	0	0	0	1
20	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1
21	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
22	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	2	2	3	2	2	2	2	2	2	2
24	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	1	2	2	1	1	1	2
25	1	1	1	1	1	1	2	2	4	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	0	0	0	0	1	1	2	2	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1
MEAN	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -\*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	1	1	1	2	1	1	1	1	****	1	1	1	1	1	1	1	1	1	1	1
2	0	0	1	0	1	1	1	1	2	1	1	1	1	1	2	2	1	1	1	1	1	0	0	***	1
3	0	1	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2	1	0	1	1
4	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	4	1	
5	2	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	1	1	1	0	0	0	0	0	0	0
7	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
8	1	1	0	0	1	1	1	1	1	1	1	2	2	2	2	2	3	2	2	3	3	2	2	2	2
9	2	3	4	1	1	2	3	3	4	2	2	2	3	3	2	2	2	3	2	2	2	2	1	2	2
10	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
11	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	1
14	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
15	2	2	2	1	1	1	1	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
16	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	6	6	5	4	4	3	3	3
17	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	2	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	1
20	2	2	2	2	2	2	3	5	4	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3
21	2	3	2	2	2	2	2	3	4	3	3	2	2	3	****	2	2	3	2	2	2	1	1	1	2
22	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	2	2	2	2	1	2	1	1	2	2	2	2	2	2	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
26	2	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
27	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1
MEAN	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	1.4

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE											UNITS - PARTS/MILLION														
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES											MONTH - MAR 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	1	2	2	2	1	1	1	1	****	1	1	2	2	2	1	1	1	1	1
2	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	2	1	1	1	1	1	2	3	3	2	2	1	1	1	1	1	1	1	2	2	1	1	2	2	1
8	1	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
9	2	3	3	2	2	2	5	8	6	4	5	4	2	1	1	1	1	1	1	1	1	1	1	1	2
10	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1	2	2	3	3	3	2	1
11	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
12	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	2	1	2
13	1	1	1	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
14	2	2	2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	0	0	0	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	1	1	0	0	1	1	1	1	1
21	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	1
22	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
23	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
24	0	0	0	0	0	0	0	1	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	0	1	2	2	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1
31	0	0	0	0	0	0	1	2	1	1	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1
MEAN	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE																UNITS - PARTS/MILLION									
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES																MONTH - APR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	2	1	2	1	1	2	1	2	2	2	2	4	5	5	2	2	2	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
6	5	2	2	2	1	2	3	2	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	2
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
8	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1
9	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1
10	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	0	1	1	1	0	1	2	3	4	5	2	2	2	1	1	1	2	1	1	1	1	1	1	1	2
12	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0
17	1	1	1	0	0	1	1	1	1	0	1	1	0	1	1	1	1	0	1	1	0	0	1	1	1
18	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	1	2	2	1	1	1	1	0	1	1	2	2	1	1	1	1	0	0	1
20	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	1
21	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1
23	4	3	3	2	1	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1	1	2	1	1	1
24	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	0	1	2	2	1
25	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1
26	1	0	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	2	1	1
27	2	2	1	1	0	1	1	1	1	1	1	1	0	0	0	0	1	1	2	2	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	1	1	1	1	2	2	1	4	1	1
29	1	4	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	0	1	1	0	1	1	0	0
3	0	0	0	0	0	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
4	2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	3	4	0	1
5	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1
6	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1
9	1	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
11	1	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	0	0	1	2	1	1	1	1	1
12	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
14	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	0	1	1	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1
16	1	1	2	1	1	2	3	3	2	3	2	2	1	1	0	0	0	0	0	1	1	1	1	1	1
17	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1
18	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1
19	1	0	0	0	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
20	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	1	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0
23	1	1	2	2	2	2	3	2	2	2	2	2	2	2	1	2	1	1	2	1	1	1	1	1	2
24	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	3	2	1
25	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1
26	2	1	1	1	1	2	4	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1
28	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
29	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1
30	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
31	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
MEAN	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - WC NO 27037					NORTH/GENEVA STREET, ST. CATHARINES										MONTH - JUN 78										
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	.....
2	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	4	2
6	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
7	1	1	1	1	1	1	1	2	2	2	2	3	2	2	2	2	2	2	2	1	1	1	2	2	2
8	2	1	1	1	1	1	2	2	2	1	2	1	2	1	2	2	2	1	1	1	1	1	1	1	1
9	1	1	1	0	0	1	1	.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
12	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	1	1
16	1	1	1	0	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
19	0	0	1	0	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
20	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1
21	1	3	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0
23	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1	2	2	1	1	2	1
24	1	0	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	1	1	2	3	2	1	1	1
25	1	1	1	0	0	1	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	0	1
26	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	1
27	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
28	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION																			
STATION - WC NO 27037															NORTH/GENEVA STREET, ST. CATHARINES										MONTH - JUL 78									
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
DAY																																		
1	1	1	1	0	1	1	0	0	0	0	1	0	0	0	0	1	1	1	1	3	4	5	3	3	1									
2	3	2	1	1	1	1	2	1	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1									
3	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
4	1	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1									
5	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1									
6	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
7	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0									
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0									
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0									
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
11	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1	3	4	1	1									
12	2	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0									
13	1	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
14	- DATA INVALID -																																	
15	- DATA INVALID -																																	
16	- DATA INVALID -																																	
17	-----															0	1	0	1	1	1	1	1	0	0	-----								
18	1	0	-----	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	0	1									
19	1	1	1	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1									
20	1	0	0	0	1	1	1	2	1	-----	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
21	1	0	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	0	1									
22	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
23	- DATA INVALID -																																	
24	- DATA INVALID -																																	
25	-----																																	
26	0	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	0	1	1	1	1	0	1	0									
27	0	0	0	0	0	1	1	0	0	1	1	0	1	0	1	1	0	1	0	0	1	0	0	0	0									
28	-----																																	
29	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1									
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0									
31	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1									
MEAN	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7									

PERCENTAGE OF DATA VALID - 75.8 PERCENTAGE OF DATA INVALID - 24.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	1	0	0	1	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
2	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	0	1	1	0	1
3	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2	1	1	1	1
4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
5	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1
6	1	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	1	1	3	4	3	1
7	2	2	1	1	1	1	1	1	1	0	1	0	0	0	1	0	0	1	1	1	1	1	1	1	1
8	1	1	1	0	0	1	0	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	0	0	0	0	2	2	1	0	0	0	0	0	1	0	0	0	0	1	1	2	2	3	2	1
11	3	3	2	2	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1
12	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	2	1	1	1
13	2	1	1	1	0	1	1	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1
14	0	0	0	0	0	3	2	2	1	1	1	1	1	1	1	0	0	1	1	1	2	2	2	1	1
15	1	1	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	1
17	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	2	3	1
18	4	2	1	1	1	5	5	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2
19	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	0
21	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	3	3	2	1
22	2	2	2	1	1	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	0	0	0	0	1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
25	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
26	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1
27	3	4	2	2	1	1	1	1	1	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	2	1
30	2	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	3	4	4	2
MEAN	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	2	2	3	3	3	2	2	2	2	1	1	2	1	1	1	2	2	2	2	2	2	2
2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
3	2	2	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2	1	1	1	2	2	2	2	1	
6	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	
7	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2	2	1	1	1	
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	
10	1	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	3	1	
11	2	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	0	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	2	1	1	2	2	1	
13	2	0	0	0	1	2	2	1	1	0	0	1	1	1	1	2	1	1	1	1	0	0	0	1	
14	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1	
15	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	1	
16	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	1	1	0	0	0	1	
17	2	4	2	1	1	1	0	0	1	1	1	0	1	1	0	0	0	0	1	1	0	0	0	1	
18	0	0	0	0	0	0	1	1	0	1	1	1	1	1	2	1	1	1	1	1	0	0	0	1	
19	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	1	1	0	
20	0	1	0	0	1	1	2	3	2	2	1	1	1	1	1	1	1	1	2	2	1	2	1	1	
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	1	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	7	6	3	1	
23	5	3	1	1	1	1	2	2	1	1	1	1	1	0	0	1	0	0	1	1	1	1	2	3	
24	2	2	3	2	1	2	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	
25	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	
26	1	0	0	0	0	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1		
27	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
28	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	2	2	3	5	3		
29	3	2	1	1	2	2	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
30	1	1	0	1	0	0	1	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	

PERCENTAGE OF DATA VALID - 97.1

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 2.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0
2	0	0	0	0	0	0	2	2	1	1	0	1	1	0	0	1	0	1	2	1	2	2	2	2	1
3	3	2	2	2	2	2	4	5	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	2	
4	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	
5	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	
6	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	
7	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	
9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	
10	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11	1	0	0	0	1	1	1	3	1	1	1	1	1	1	1	1	1	2	3	1	0	0	0	1	
12	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	
13	0	0	0	0	0	1	1	2	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	
16	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	1	0	1	1	1	1	1	1	1	
17	2	1	1	1	1	2	2	5	2	1	1	1	1	1	1	0	0	1	1	1	2	3	3	2	
18	1	0	1	0	0	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
19	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	
20	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	
23	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	
24	0	0	0	0	0	1	1	2	1	1	0	1	1	1	1	1	1	1	2	2	1	1	0	1	
25	1	1	0	0	0	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	1	
26	1	1	1	1	1	1	1	1	1	2	1	1	2	1	2	2	2	2	2	1	1	1	1	1	
27	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1	
28	1	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	
29	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
30	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	4	2	1	1	1	1	1	
31	1	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	3	3	1	1	1	1	1	1	
MEAN	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.7	

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	1	1	1	1	3	8	8	1	0	***	1	1	1	1	1	4	2	2	1	1	1	1	2
2	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1	2	1	1	1	1	1	2	1
3	2	1	1	1	1	1	3	7	5	3	2	1	1	2	2	1	2	4	5	3	2	2	2	3	2
4	3	3	4	4	4	1	2	3	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
5	2	1	1	1	1	1	1	1	1	1	***	1	2	1	1	1	2	2	1	0	0	1	0	0	1
6	1	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	0	1	2	6	7	2	1	4	1
7	0	0	0	0	0	0	1	1	1	1	0	1	1	0	1	0	1	2	1	1	1	1	1	1	1
8	1	0	0	0	0	0	2	4	6	2	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1
9	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1
10	1	1	1	0	1	1	1	2	3	1	1	1	***	1	1	1	2	3	3	2	2	2	3	2	2
11	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	2	2	4	3	4	5	4	1
16	2	2	2	1	1	1	2	0	0	0	0	0	0	0	0	1	1	2	0	1	1	0	***	***	1
17	0	0	0	0	0	0	2	***	***	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	0
19	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	2	1
23	1	2	1	1	0	1	2	2	2	2	3	2	2	1	1	1	2	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	0	0	1
25	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
26	0	0	0	0	0	0	1	0	0	0	0	0	1	2	2	1	2	3	2	1	1	1	2	1	1
27	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	0	0	1	1	2	3	3	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	1
30	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
MEAN	1	1	1	0	0	0	1	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	3	****	2	1	1	1	1	1	1	1
2	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	3	2	2	1	1	1	0	1
4	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	3	3	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
7	1	1	1	0	0	0	1	2	2	1	1	1	1	2	3	3	2	2	2	2	3	3	2	3	2
8	4	2	2	1	1	1	1	2	3	2	2	2	2	2	1	2	2	2	2	1	1	1	1	1	2
9	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	2	3	2	2	2	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1	1	1	0	0	1	1
13	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	2	2	2	1	2	2	1	2	2	3	2	2	2	1	1	1	2
17	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
18	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	1
21	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	0	1
22	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1
23	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	3	3	3	4	3	1
24	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	0	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0
28	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	3	5	4	4	4	3	3	1
29	3	3	2	2	0	0	1	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	1	1	1	2	1	1	2	2	3	2	2	1	1	1	1	1	1
31	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
MEAN	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - CARBON MONOXIDE

## UNITS - PARTS/MILLION

## STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	0.9	2	4
FEB	28	1.4	3	6
MAR	31	0.9	2	8
APR	30	0.8	2	5
MAY	31	0.8	2	4
JUN	29	1.0	2	4
JUL	21	0.7	1	5
AUG	31	0.9	2	5
SEP	29	1.0	2	7
OCT	31	0.7	2	5
NOV	30	1.0	2	8
DEC	31	0.9	2	5
YEAR	352	0.9	3	8



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	611	112	4	0	0	0	727
FEB	421	235	12	0	0	0	668
MAR	654	82	6	0	0	0	742
APR	638	63	9	0	0	0	710
MAY	653	82	4	0	0	0	739
JUN	638	70	1	0	0	0	709
JUL	541	20	3	0	0	0	564
AUG	632	99	10	0	0	0	741
SEP	578	114	7	0	0	0	699
OCT	683	52	4	0	0	0	739
NOV	591	103	19	0	0	0	713
DEC	634	101	6	0	0	0	741
YEAR	7274	1133	85	0	0	0	8492

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.9	0	0.0	0.1	0.4	0.7	1.4	1.8	2.5	3.0	8	0.9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1
2	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
4	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	4	6	3	1	3	1	1	1	2
5	1	1	1	1	1	1	4	2	1	3	2	2	2	2	1	2	3	2	1	1	1	1	1	1	1
6	1	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2	1	1	1	1
7	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	1
8	1	1	2	1	2	2	3	3	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
11	1	1	0	0	0	0	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1	1	1
12	1	1	0	0	0	1	1	2	3	2	2	2	2	2	2	2	4	3	2	2	2	2	2	2	2
13	1	1	1	1	1	1	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	1	1	1	2
14	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	3	4	2	2	2	2	2	3	3	2
17	2	2	2	2	2	1	1	1	2	2	2	2	2	2	3	4	4	2	2	2	2	2	3	3	2
18	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	3	5	4	4	2
19	4	3	3	2	2	2	4	4	3	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2
20	1	1	1	2	1	1	2	2	2	2	3	2	1	1	1	1	1	1	1	1	0	0	0	0	1
21	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	0	0	0	0	1	2	2	2	1	1	1	1	2	3	4	3	2	1	1	1	1	1	1
24	1	1	1	1	1	1	1	2	3	1	1	2	2	2	2	2	3	2	1	1	1	1	1	0	1
25	0	0	0	0	0	1	4	2	3	1	1	1	2	1	1	1	1	1	1	1	0	1	1	1	1
26	1	0	0	0	1	0	1	0	0	0	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	3	2	1	1	1	1	1	2	1
28	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
29	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	3	3	2	2	2	1	2	2	2	2
31	2	1	1	1	1	1	2	2	2	2	1	1	2	2	3	3	4	3	2	2	2	1	1	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY









POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON												MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6												- DATA UNAVAILABLE -													
7												- DATA UNAVAILABLE -													
8												- DATA UNAVAILABLE -													
9												- DATA UNAVAILABLE -													
10												- DATA UNAVAILABLE -													
11												- DATA UNAVAILABLE -													
12												- DATA INVALID -													
13												- DATA INVALID -													
14												- DATA INVALID -													
15												- DATA INVALID -													
16												- DATA INVALID -													
17												- DATA INVALID -													
18												- DATA INVALID -													
19												- DATA UNAVAILABLE -													
20												- DATA UNAVAILABLE -													
21												- DATA UNAVAILABLE -													
22												- DATA UNAVAILABLE -													
23												- DATA UNAVAILABLE -													
24												- DATA UNAVAILABLE -													
25												- DATA UNAVAILABLE -													
26												- DATA UNAVAILABLE -													
27												- DATA UNAVAILABLE -													
28												- DATA UNAVAILABLE -													
29												- DATA UNAVAILABLE -													
30												- DATA UNAVAILABLE -													
31	-	-	-	-	-	-	-	-	-	-	****	2	1	1	1	1	1	1	1	0	0	0	0	0	0.7
MEAN	****	****	****	****	****	****	****	****	****	****	****	2	1	1	1	1	1	1	1	0	0	0	0	0	0.7

PERCENTAGE OF DATA VALID - 1.9 PERCENTAGE OF DATA INVALID - 20.3 PERCENTAGE OF DATA UNAVAILABLE - 77.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON												MONTH - NOV 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	3	3	3	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1
2	1	0	****	****	****	****	0	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	1	2	1
3	2	1	1	1	1	0	1	6	6	5	3	2	2	2	3	4	3	3	3	2	3	3	3	3	3
4	3	3	3	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
5	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
6	0	0	0	0	0	0	0	1	1	1	1	0	-	-	-	-	-	-	-	-	-	-	-	-	*****
7	****	****	****	****	****	****	****	****	****	****	****	1	1	1	1	1	1	1	1	0	0	1	1	2	*****
8	2	1	1	1	0	0	1	3	5	5	4	3	2	1	2	2	2	2	2	1	1	1	1	1	2
9	1	1	0	0	0	0	0	1	1	1	1	1	1	1	2	2	3	2	2	2	1	2	2	2	1
10	3	3	1	1	1	0	1	3	2	2	2	2	3	2	3	3	3	1	1	1	2	2	1	1	2
11	2	2	1	1	1	1	1	2	1	2	2	1	2	1	2	1	1	1	1	0	0	****	****	****	1
12	****	****	****	****	****	****	0	1	1	1	2	1	DATA INVALID -	1	1	2	3	5	4	2	1	1	1	1	2
13	****	****	****	****	****	****	0	1	1	1	2	1	1	1	2	0	0	0	1	0	****	****	****	****	0
14	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	****	****	****	****	****	****	0
15	****	****	****	****	****	****	****	****	****	****	****	2	2	2	2	2	3	2	3	3	3	3	3	4	*****
16	3	2	2	1	1	1	3	6	4	1	2	2	2	1	1	1	2	2	1	2	1	2	1	2	2
17	2	1	1	1	1	1	2	2	3	3	4	5	9	6	2	2	2	2	2	2	1	1	1	1	1
18	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
21	0	0	0	0	0	0	0	1	1	1	1	****	1	1	1	1	2	1	1	1	1	1	1	1	1
22	1	0	0	0	0	1	2	3	2	1	1	2	1	2	2	2	3	2	2	2	2	2	3	2	2
23	1	1	1	1	0	0	3	3	3	3	2	3	3	1	1	2	2	1	1	1	0	0	0	0	1
24	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	0	0	1	****	****	****	1
25	****	****	****	****	****	****	****	****	****	****	****	2	2	1	1	2	3	2	1	1	1	0	0	0	*****
26	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	2	2	1	1	1	1	1	1	1
27	****	****	****	****	****	****	****	****	****	****	****	2	2	1	1	2	3	2	1	1	1	1	1	1	1
28	****	****	****	****	****	****	****	****	****	****	****	2	2	1	1	2	3	2	1	1	1	1	1	1	1
29	****	****	****	****	****	****	****	****	****	****	****	2	2	1	1	2	3	2	1	1	1	1	1	1	1
30	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	2	2	1	1	1	1	1	1	1
MEAN	1	1	1	1	0	0	1	2	2	2	2	1	2	1	2	2	2	2	2	2	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 73.9 PERCENTAGE OF DATA INVALID - 24.4 PERCENTAGE OF DATA UNAVAILABLE - 1.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	1	2	2	1	1	2	2	2	1	1	4	3	1	1	1	1	0	1	0
2	0	0	***	***	***	***	***	0	0	1	1	0	1	1	1	1	1	0	0	0	0	0	0	1	0
3	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	3	3	4	3	3	3	3	1	1	1
4	0	0	0	0	0	0	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
5													- DATA UNAVAILABLE -												
6													- DATA UNAVAILABLE -												
7													- DATA UNAVAILABLE -												
8													- DATA UNAVAILABLE -												
9													- DATA UNAVAILABLE -												
10													- DATA UNAVAILABLE -												
11													- DATA UNAVAILABLE -												
12													- DATA UNAVAILABLE -												
13													- DATA UNAVAILABLE -												
14													- DATA UNAVAILABLE -												
15													- DATA UNAVAILABLE -												
16													- DATA UNAVAILABLE -												
17													- DATA UNAVAILABLE -												
18													- DATA UNAVAILABLE -												
19													- DATA UNAVAILABLE -												
20													- DATA UNAVAILABLE -												
21													- DATA UNAVAILABLE -												
22													- DATA UNAVAILABLE -												
23													- DATA UNAVAILABLE -												
24													- DATA UNAVAILABLE -												
25													- DATA UNAVAILABLE -												
26													- DATA UNAVAILABLE -												
27													- DATA UNAVAILABLE -												
28													- DATA UNAVAILABLE -												
29													- DATA UNAVAILABLE -												
30													- DATA UNAVAILABLE -												
31													- DATA UNAVAILABLE -												
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	0	1	1.0

PERCENTAGE OF DATA VALID - 10.2

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 89.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - CARBON MONOXIDE

## UNITS - PARTS/MILLION

## STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	1.2	2	6
FEB	28	1.4	2	5
MAR	31	1.2	2	5
APR	27	1.0	2	7
MAY	31	1.4	3	7
JUN	28	1.0	3	7
JUL	31	1.0	2	4
AUG	31	1.5	3	6
SEP	24	1.5	3	7
OCT	0	0.7	****	2
NOV	21	1.3	3	9
DEC	3	1.0	1	4
YEAR	284	1.2	3	9

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	510	185	17	0	0	0	712
FEB	418	232	17	0	0	0	667
MAR	549	173	19	0	0	0	741
APR	552	111	11	0	0	0	674
MAY	493	214	35	0	0	0	742
JUN	516	134	17	0	0	0	667
JUL	596	142	3	0	0	0	741
AUG	406	307	26	0	0	0	739
SEP	319	239	29	0	0	0	587
OCT	13	1	0	0	0	0	14
NOV	350	166	15	1	0	0	532
DEC	62	12	2	0	0	0	76
YEAR	4784	1916	191	1	0	0	6892

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
78.7	0	0.0	0.2	0.6	1.0	1.9	2.6	3.4	4.0	9	1.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 31001

67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2
5	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	3	3	2
6	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
7	2	2	2	2	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	2	2	4	3	2
8	2	2	2	2	1	1	1	2	2	2	2	2	1	2	2	2	2	3	3	2	2	2	1	1	2
9	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	1	1	1	1	1	1	2	2	3	3	3	3	3	3	4	4	4	3	3	3	3	2	3	2
13	3	2	2	2	1	1	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
14	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	4	4	3	3	2	2	2	2	3	3	2	2	2	2	2	2	2
18	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	3	3	2
19	2	2	2	2	2	2	2	3	4	5	4	4	3	3	3	3	4	4	3	3	3	2	2	2	3
20	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	1	2	2
21	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	4	3	2
22	4	4	3	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	1	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2
25	2	2	2	2	2	1	2	3	4	6	6	4	4	3	3	3	4	3	2	2	2	2	1	3	2
26	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1
27	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
28	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	1	2	2	2	3	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2
31	2	1	1	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	2	2	1	1	1	1	2
MEAN	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	2	2	****	****	1	1	2	1	2	2	2	2	2	1	1	2	1
2	1	1	1	1	1	1	1	2	3	3	2	2	2	2	3	2	3	2	2	2	2	2	2	2	2
3	2	1	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
4	2	2	1	1	1	1	1	1	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	4	2
5	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	2	2	2	****	2	2	2	2	3	2	2	2	2	2	1	1	2
7	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	1	2	4	5	3	2	3	2	3	2	3	3	3	3	2	2	2	2	2
9	2	2	2	2	2	2	2	3	3	3	2	2	2	****	2	2	3	3	3	3	3	2	2	2	2
10	2	2	2	2	2	2	2	4	4	5	4	4	4	4	3	3	3	2	2	2	2	2	2	2	3
11	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	1	1	1	2	2	2	1	1
13	2	2	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	1	1	1	1	2	3	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2
15	2	2	2	2	2	2	2	3	3	3	3	2	3	****	2	3	3	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	3	2	3	2	2	2	2	3	3	2
17	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	3	3	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	1	1	1	2	2	2	2	2	1	1	2	1	2	1	2	2	2	2	2	2	2	2
20	1	1	1	1	1	2	2	3	3	3	3	2	2	****	****	2	2	2	2	2	2	3	3	2	2
21	2	1	1	1	1	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	1	1	1	1	1	2	3	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	1	1	1	1	1	1	2	3	3	3	2	3	2	2	****	2	2	2	2	2	2	2	1	2	2
24	2	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2
25	2	1	1	1	1	1	1	2	1	2	2	2	2	1	2	2	1	2	1	1	1	1	1	2	1
26	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	1	1	1	1	1
28	1	1	1	1	1	1	2	3	4	3	2	2	2	2	2	2	3	2	2	2	2	2	2	1	2
MEAN	2	1	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	3	2	2	1	1	2	3	3	4	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2
2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1
4	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
6	1	1	1	1	1	1	1	3	3	4	3	3	3	3	2	2	1	2	1	1	1	2	2	2	2
7	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	1	1	2	2	2	2	4	2
8	1	1	1	1	1	1	1	3	4	2	1	1	1	1	1	1	2	2	1	2	1	2	2	2	2
9	4	4	2	2	1	1	2	3	4	3	2	2	1	1	1	2	2	2	2	1	1	2	2	2	2
10	1	1	1	2	1	1	2	3	3	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2
11	3	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
12	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	2	4	4	2	1	2	1	2	2	2	2	2	2	1	1	1	1	1	2
14	1	1	0	0	0	0	1	2	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	0	1
15	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1
17	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
21	2	2	1	1	1	1	1	4	4	4	3	3	3	2	2	2	2	2	2	1	1	1	1	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	2	2	2	1	1	1	1
23	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
25	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	1	1	1
28	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2
29	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	2	3	2	2	2	2	2	1	2
MEAN	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
4	1	1	1	1	1	1	1	2	2	2	2	1	1	2	3	3	3	2	2	3	3	2	1	1	2
5	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
10	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
11	1	1	1	1	1	1	1	3	3	3	****	5	4	1	1	1	1	1	1	2	1	1	1	1	2
12	1	1	0	0	0	1	2	2	1	1	1	2	2	2	2	2	3	3	3	2	2	1	1	1	2
13	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	0	1	1	1	2	2	2	1	1	1	1	1	2	2	1	2	2	1	1	2	1
18	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	0	0	1	1	1	2	2	1	1	2	2	****	2	2	2	2	2	1	1	1	1	1
21	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	- DATA INVALID -													- DATA INVALID -											
24	- DATA INVALID -													- DATA INVALID -											
25	- DATA UNAVAILABLE -													- DATA UNAVAILABLE -											
26	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	2	1	1	2	*****	
27	1	1	1	1	1	1	1	2	2	2	1	1	2	1	2	****	2	2	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1
29	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 86.7 PERCENTAGE OF DATA INVALID - 6.3 PERCENTAGE OF DATA UNAVAILABLE - 7.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	2	2	1	1
3	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
4	2	1	1	1	1	2	2	2	2	1	1	2	2	***	2	2	2	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	2	2	3	3	3	3	2	2	2
7	2	2	2	1	1	2	1	1	1	1	2	2	1	1	2	2	3	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	2	2	2	***	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2
9	1	1	1	1	1	2	2	2	3	3	2	2	2	2	2	1	2	1	1	1	1	1	2	1	2
10	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2
11	2	1	1	1	2	3	3	3	3	2	2	2	2	2	3	3	3	3	2	3	3	3	5	5	3
12	3	2	1	1	1	2	2	4	4	3	3	3	3	3	4	3	2	2	2	2	2	2	2	2	2
13	2	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	1	2
14	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	2	2	2	1	1	1	***	2	2	2	2	2	2	2	2	1	1	1	1
16	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1	1	2
17	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2
18	1	1	1	1	1	2	3	5	6	4	5	3	***	3	3	3	3	2	2	2	3	5	5	3	3
19	2	5	2	3	2	3	3	4	3	2	3	2	2	2	3	3	3	2	2	2	2	4	5	5	3
20	3	2	2	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2
21	3	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	2
23	3	2	3	3	3	2	3	3	2	2	2	2	2	2	2	2	3	3	3	3	2	2	3	2	2
24	4	4	3	2	3	3	3	5	4	2	2	2	2	2	2	2	2	3	3	3	5	5	3	2	3
25	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	3	2	2	2	2	2	3	2	2	2
26	2	2	2	2	2	2	3	4	3	3	3	3	3	3	3	3	2	2	3	3	3	3	4	10	3
27	3	4	4	3	3	4	3	3	3	2	2	3	2	2	3	2	3	2	3	3	3	4	4	5	3
28	6	4	4	3	2	2	3	2	2	2	2	1	1	2	2	2	2	2	2	2	2	3	2	2	2
29	2	2	2	2	2	2	4	5	5	3	2	3	2	2	2	3	3	3	2	2	2	3	2	2	3
30	2	2	2	2	2	2	2	4	5	3	3	2	3	3	3	3	2	2	2	2	3	2	4	2	3
31	2	2	2	2	2	2	3	3	3	2	2	2	3	2	2	2	2	2	2	1	2	2	2	2	2
MEAN	2	2	2	1	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	2	2	2	2	***	2	2	2	2	2	1	2	2	1	2	2	2
2	2	2	2	1	2	2	3	5	4	4	3	2	2	1	1	2	2	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1	1	2	2	2	1
4	2	2	2	2	1	2	2	1	1	1	1	1	2	1	1	2	2	2	1	1	2	2	2	2	1
5	1	1	1	1	1	1	1	1	1	1	1	1	***	1	2	2	2	1	1	2	2	2	2	2	1
6	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3	3	3	2	3	3	3	3	4	2	1
7	2	3	2	2	2	2	3	4	4	3	4	4	3	3	3	4	3	2	2	3	2	3	2	2	2
8	2	2	1	1	2	1	2	2	3	2	3	2	2	***	2	2	2	2	2	2	2	2	2	2	2
9	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	3	2
11	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	1	1	1	1	1	2	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	1	1	1	1
13	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
14	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
15	1	1	1	1	1	1	2	2	2	1	1	2	2	***	2	2	1	1	2	1	2	2	1	2	2
16	2	2	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2
17	2	2	1	1	1	1	2	1	1	1	1	2	2	1	2	1	2	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1
19	1	1	1	1	1	1	2	3	2	2	1	1	2	2	2	2	2	2	1	2	2	2	2	2	2
20	3	2	1	1	2	2	4	3	2	2	3	3	3	3	3	3	3	3	2	2	2	2	3	3	2
21	2	2	2	2	2	2	2	3	5	4	3	2	3	4	3	3	3	1	1	1	2	2	2	2	1
22	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2
23	1	1	1	1	1	2	2	2	***	1	2	1	2	2	2	2	2	2	2	2	2	3	2	3	2
24	2	2	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	3	3	2
25	2	3	4	3	3	3	2	2	1	2	2	2	1	1	2	2	2	2	2	2	2	3	3	2	2
26	2	1	1	1	1	2	2	2	3	3	3	2	***	2	2	3	2	2	2	2	2	2	2	1	1
27	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1
29	2	2	2	1	2	2	3	3	2	2	2	2	2	***	2	1	1	1	1	1	1	1	1	2	2
30	1	1	1	0	0	1	1	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	1
MEAN	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	1
2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	2	2	2	2	2	2	3	5	4	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	1
6	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
13	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2
14	1	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	3	1	1	2	3	2	3	2
15	2	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
17	1	1	1	1	1	1	2	3	3	3	2	2	2	3	2	2	2	2	1	1	1	1	1	1	2
18	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	4	2	2
19	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	1	1	2	1	2	2	3	2	3	3	3	2	2	3	2	3	2	2	2	2	3	3	3	2
22	3	3	2	2	1	1	2	2	2	1	2	2	2	2	2	2	2	1	1	2	2	2	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
24	1	1	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
27	2	1	1	1	1	2	2	3	2	2	3	3	2	2	2	2	2	2	2	2	2	1	1	2	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	2	2	1
29	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	2	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	3	3	2	1
31	2	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3	3	2
MEAN	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	1.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	4	3	3	3	3	3	3	3	2	2	2	3	3	2	2	2	2	2	2	3	3	3		
2	4	4	3	3	3	3	4	4	3	2	2	2	2	3	3	3	2	2	2	2	1	2	2	1	3
3	1	1	1	1	1	1	2	2	3	2	2	2	1	1	1	2	2	2	2	2	1	2	2	1	2
4	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1	2	2	1
5	2	2	3	3	3	3	2	2	2	1	1	1	2	2	2	1	1	1	1	2	2	1	1	2	2
6	3	3	3	2	2	3	3	2	2	3	2	2	2	1	1	1	1	1	1	1	2	3	4	4	2
7	5	4	3	2	1	1	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2
8	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3
9	2	2	2	2	2	2	3	3	4	3	4	3	4	3	4	4	4	3	4	3	3	3	3	3	3
10	3	2	2	2	2	3	3	3	4	3	3	3	3	3	3	4	4	3	3	3	4	4	5	6	3
11	5	3	2	2	2	2	2	4	3	2	1	1	1	1	1	2	2	2	2	2	3	4	7		2
12	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2
13	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	1	2	2	2	3	3	3	2	2
14	3	2	2	1	1	2	3	4	4	....	4	3	2	2	2	2	3	2	2	2	2	3	2	2	2
15	2	2	1	1	1	2	3	3	2	....	3	2	2	2	2	2	2	2	3	3	2	1	2	1	2
16	1	1	1	1	1	1	2	2	....	....	....	2	2	2	3	2	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	2	2	2	2	2	2	....	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
19	2	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2		2
22	2	2	2	3	3	3	4	4	5	....	3	2	2	3	3	3	3	2	2	2	2	2	4	5	3
23	4	2	2	2	2	3	4	5	4	2	2	2	2	3	3	3	2	2	2	2	3	4	2	3	3
24	4	3	2	2	2	2	3	5	....	3	3	4	4	5	3	2	2	2	2	2	2	2	2	2	3
25	2	2	2	1	2	2	3	3	3	2	3	3	3	2	3	3	3	3	3	3	3	4	3	3	3
26	2	2	2	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	3	4	2	3	2	2
27	3	2	2	1	1	2	2	1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2
28	1	1	1	1	1	1	2	2	2	2	....	....	3	3	2	2	2	2	2	2	1	1	1	1	2
29	1	1	1	1	1	2	2	3	2	2	2	2	1	2	1	2	2	2	2	2	2	2	3	3	2
30	2	2	2	2	2	2	3	4	3	4	4	3	2	2	2	3	3	2	2	3	3	2	2	2	3
31	2	1	1	1	1	1	2	2	3	3	2	2	2	....	2	2	2	2	1	2	3	3	4	4	2
MEAN	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2		2.2

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	1	1	1	1	2	2	2	1	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2
2	2	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
5	1	1	1	1	1	2	2	3	3	2	***	2	2	2	2	2	2	2	2	2	1	1	1	1	2
6	1	1	1	1	1	1	2	2	2	3	3	1	1	1	1	2	2	2	2	2	2	1	1	1	2
7	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1
8	1	1	1	1	1	1	2	2	***	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2
9	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2	3	2	2
11	2	2	2	2	2	4	7	13	8	5	4	4	2	3	4	4	5	4	3	2	2	2	1	1	4
12	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
13	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
14	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	5	5	4	3	2	1	1	1	1	2
15	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2
16	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2
17	3	3	3	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	3	4	4	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2
20	2	2	2	2	2	2	3	3	2	2	2	2	2	2	3	4	3	3	2	4	4	3	5	3	3
21	3	2	2	2	2	3	4	6	6	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
22	1	1	1	1	1	2	3	4	***	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2
23	2	2	2	2	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
24	4	6	5	4	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
25	2	2	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	1	1	2	1	2	2	1	2
26	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	2	1	1	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1
28	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	2
29	2	2	2	2	2	2	5	6	2	***	2	2	2	2	2	2	2	2	1	2	1	2	2	2	2
30	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	0	1
MEAN	2	2	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION														
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - OCT 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1		
2	1	1	1	0	1	1	2	3	2	1	1	2	2	1	2	2	2	2	2	2	2	2	2	1	2	
3	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2	
4	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
5	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	2	
6	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	
7	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	
8	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
9																										
10																										
11	-	-	-	-	-	-	-	-	4	3	3	2	3	2	3	3	3	3	2	2	2	1	1	1	1	1
12	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
13	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	
15	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	
16	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	
17	1	1	1	1	1	1	2	3	4	4	2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	
18	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	
19	1	1	1	0	0	0	1	2	2	2	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	
20	0	0	0	0	0	0	2	3	3	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
24	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	
26	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2	2	2	2	2	1	1	1	1	1	1	
27	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	
28	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
30	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	4	5	4	5	3	2	2	2	2	
31	1	2	2	2	2	2	3	3	4	4	4	4	3	2	3	3	3	3	2	2	2	2	2	2	3	
MEAN	1	1	1	1	1	1	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	1	2	1	1.5	

PERCENTAGE OF DATA VALID - 90.7

PERCENTAGE OF DATA INVALID - 6.2

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 31001		67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	1	1	2	2	3	4	4	3	2	2	2	2	2	3	3	3	2	2	3	3	3	2
2	2	2	2	2	2	2	2	3	4	3	3	3	3	2	2	2	3	4	3	3	3	3	3	3	3
3	4	4	4	4	4	4	4	7	6	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4
4	9	6	5	5	4	4	4	4	4	5	4	3	4	3	3	5	5	4	3	7	9	10	11	5	5
5	9	8	7	7	7	4	4	3	3	3	3	3	3	3	2	3	2	3	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	4	5	3	3	3	3	2	2	2	3	4	3	3	3	3	3	3	2
7	2	2	2	1	1	2	2	2	3	3	3	3	3	2	2	2	3	3	2	2	2	2	2	2	2
8	3	2	2	2	2	2	2	3	5	4	3	3	2	2	2	2	3	3	3	2	2	2	2	2	2
9	2	2	2	1	2	2	2	2	3	2	2	2	2	2	2	3	4	3	3	4	4	3	3	4	3
10	3	3	3	2	2	2	2	3	4	3	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
11	2	3	3	3	3	2	2	2	2	2	2	2	2	3	3	4	4	3	3	2	2	2	2	2	3
12	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	3	4	3	3	2	2	2	2	2
14	1	2	2	1	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	1	1	1	1	1	2
15	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
16	3	3	2	2	1	2	2	3	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
17	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	4	5	4	2	2	2	1	1	2	2
18	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	1
20	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2
21	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	4	3	3
22	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2
23	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2
24	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	3	3	2	2	2	2	2	2	2
25	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2
27	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
28	2	2	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
29	2	2	1	2	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
30	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	3	2	2	2	2	2	2	3	3	3	2	2	2	2	2	3	3	3	3	2	2	3	3	3	2.4

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	3	3	3	3	3	4	3	3	3	4	5	4	3	3	2	2	2	3
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2
3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
4	2	2	1	1	1	1	2	2	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
5	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
6	2	1	1	1	1	2	2	3	3	2	2	***	2	2	2	2	2	2	2	2	2	1	1	1	2
7	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	3	3	3	2	2	2	2	1	2	2
9	2	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
11	1	1	1	1	1	1	1	2	3	2	2	***	2	2	2	2	3	3	3	2	2	2	1	2	2
12	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	2	2	2	1	1	1	1	2
13	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
14	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
15	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	3	2	2	2
16	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
17	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
19	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
20	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
21	2	2	2	1	1	1	1	2	2	***	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
22	2	2	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	1	1	2
23	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
24	3	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	4	3	3	3	3	3	3	2
29	3	2	2	2	2	2	2	3	4	4	4	4	4	2	3	3	3	3	3	3	2	2	2	3	3
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	3	3	3	2
31	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	3	3	2	2	3	2
MEAN	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.9	3	6
FEB	28	1.9	3	5
MAR	31	1.3	2	4
APR	25	1.2	2	5
MAY	31	2.0	3	10
JUN	30	1.8	3	5
JUL	31	1.5	2	5
AUG	31	2.2	3	7
SEP	30	1.8	4	13
OCT	28	1.5	3	5
NOV	30	2.4	5	11
DEC	31	1.9	3	5
YEAR	357	1.8	5	13

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	173	542	21	0	0	0	736
FEB	204	446	14	0	0	0	664
MAR	517	211	12	0	0	0	740
APR	528	94	2	0	0	0	624
MAY	204	494	41	1	0	0	740
JUN	237	459	16	0	0	0	712
JUL	385	351	3	0	0	0	739
AUG	152	528	53	0	0	0	733
SEP	256	430	29	1	0	0	716
OCT	374	291	10	0	0	0	675
NOV	84	562	62	6	0	0	714
DEC	210	518	11	0	0	0	739
YEAR	3324	4926	274	8	0	0	8532

## FREQUENCY DISTRIBUTION BY PERCENTILES

FREQUENCY DISTRIBUTION PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.4	0	0.2	0.8	1.2	1.7	2.4	2.8	3.5	4.0	13	1.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 31049 MISSION, 381 YONGE ST TORONTO

MONTH - JAN 78

STATION - C NO 31049		STATION 1007 TOWER 17																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	29	28	30	11	4	3	2	2	1	2	2	4	4	4	4	4	4	4	5	3	3	3	2	1	7
2	1	1	1	1	1	1	1	2	2	2	3	3	2	2	1	1	1	1	2	3	3	3	3	3	2
3	2	1	1	1	1	1	1	1	3	3	3	3	3	2	2	2	3	4	5	5	6	6	4	3	3
4	2	1	1	0	0	1	1	2	2	2	2	4	2	2	2	2	3	3	3	3	5	4	4	4	5
5	3	2	2	1	0	0	1	6	7	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	7	7	7	3	1	1	1	3	3	3	3	4	3	3	2	3	3	3	4	4	4	4	3	3	3.4

PERCENTAGE OF DATA VALID - 14.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 85.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31049 MISSION, 381 YONGE ST TORONTO													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	1	1	1	1	1	3	5	7	5	5	5	5	9	6	6	5	4	6	12	16	13	14	6	6
2	7	5	5	2	3	3	9	6	7	7	4	3	3	2	2	3	4	2	3	8	11	6	7	4	5
3	4	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	1	1	1	2	2	3	4	10	2
4	4	4	4	2	1	1	2	2	1	2	2	1	3	3	3	8	12	11	5	3	15	6	7	4	4
5	4	1	1	1	0	1	2	2	1	1	2	2	2	2	3	3	2	1	2	2	6	5	6	5	2
6	5	6	6	4	3	2	4	4	3	2	***	7	8	8	10	9	10	10	14	32	38	40	22	11	11
7	15	13	7	6	5	6	11	17	15	17	20	16	18	23	24	22	22	21	23	28	39	36	36	15	19
8	17	12	6	5	4	4	6	7	10	11	12	6	7	8	6	8	7	4	3	4	6	5	5	6	7
9	4	2	1	0	0	0	4	5	***	4	3	4	6	3	3	4	3	2	3	3	5	6	6	6	3
10	7	4	7	6	3	3	4	4	3	4	4	5	8	7	8	13	15	19	23	35	42	47	44	14	14
11	8	10	5	3	2	3	3	2	2	2	2	2	2	1	2	2	6	3	1	1	3	9	9	4	4
12	2	1	0	0	1	1	4	3	4	3	3	4	3	5	6	8	5	8	5	6	7	4	2	2	4
13	1	1	0	0	0	0	2	2	3	3	3	4	4	4	4	4	5	4	5	4	7	8	4	4	3
14	4	2	1	1	1	2	4	4	3	3	3	2	3	3	4	5	5	3	3	4	7	9	9	4	4
15	3	1	1	0	0	1	3	5	4	3	4	4	4	4	4	5	4	4	4	10	13	10	12	10	5
16	10	12	4	2	2	4	10	11	10	10	17	14	15	13	14	13	17	14	19	28	37	40	41	38	16
17	40	36	21	9	6	6	6	6	7	5	8	10	13	14	12	17	10	6	13	4	8	11	6	12	12
18	6	5	14	9	3	2	2	1	2	2	3	2	3	3	3	4	3	3	4	5	5	4	5	4	5
19	3	1	0	0	1	2	5	12	9	10	8	6	6	5	7	6	8	6	15	5	16	29	35	23	9
20	9	7	4	2	2	1	7	11	5	5	***	8	9	15	10	10	13	9	10	23	30	34	38	27	13
21	18	13	9	6	3	3	7	10	17	21	23	18	10	9	10	7	8	9	3	4	5	6	9	5	10
22	3	1	2	1	0	1	3	4	4	3	4	4	4	5	4	5	6	4	6	9	14	16	15	7	5
23	4	2	1	1	1	1	2	3	***	2	3	5	7	4	7	6	7	4	11	9	35	22	26	33	9
24	36	15	7	5	2	3	5	4	4	4	3	3	3	2	2	2	3	4	9	18	31	22	20	18	9
25	11	15	19	14	8	6	5	3	3	3	4	4	5	4	6	10	14	13	26	31	30	39	32	15	13
26	9	6	4	3	2	4	7	9	8	11	13	7	6	6	6	9	8	3	4	3	2	26	8	5	7
27	4	5	3	1	0	1	4	5	4	4	5	6	4	5	3	4	4	4	3	6	3	2	3	2	4
28	2	1	0	0	0	3	3	4	***	***	***	5	7	5	5	4	4	4	3	4	6	8	9	8	4
29	7	4	2	0	0	0	3	3	3	2	3	4	4	4	4	4	4	5	3	5	6	4	4	3	3
30	4	3	2	1	1	1	3	8	6	6	6	5	6	7	10	7	8	6	8	6	5	9	18	19	6
MEAN	8	6	5	3	2	2	5	5	5	5	6	6	6	6	6	7	7	6	8	10	15	16	15	11	7.3

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31049 MISSION.381 YONGE ST TORONTO													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	19	10	5	2	2	2	4	2	2	4	3	2	1	2	2	4	5	7	13	10	15	11	10	6
2	27	27	13	8	2	2	2	2	2	2	3	4	6	13	12	14	16	15	21	25	25	26	27	23	13
3	11	5	3	2	1	1	1	1	2	3	4	6	10	13	19	22	15	17	13	15	16	17	16	9	9
4	10	5	3	1	1	1	4	7	6	7	7	7	9	12	10	11	9	9	4	8	22	13	10	11	8
5	6	17	9	2	4	6	8	10	6	7	6	5	3	4	5	5	6	5	12	29	6	8	6	2	7
6	8	3	2	1	1	1	4	5	5	4	5	4	4	4	4	4	4	3	2	2	3	2	3	9	4
7	8	4	2	0	0	2	7	5	4	***	7	4	4	4	4	3	3	4	3	4	7	9	5	11	5
8	8	9	3	1	1	***	1	0	1	1	1	1	2	2	2	3	1	2	2	7	9	7	10	7	3
9	4	6	3	2	1	0	0	0	1	0	2	0	0	2	3	1	1	2	4	3	1	4	1	2	2
10	0	0	0	0	0	0	0	1	1	1	1	2	3	3	2	3	2	2	2	2	3	2	3	3	2
11	2	1	0	0	0	0	1	3	4	2	***	4	3	5	3	5	5	3	3	5	31	7	4	2	4
12	3	2	1	0	0	1	4	7	6	5	6	3	2	2	2	2	3	2	2	5	8	13	11	2	4
13	1	1	1	0	1	0	0	2	1	2	3	2	3	2	3	3	2	4	6	11	18	13	8	4	4
14	5	4	3	5	2	3	7	9	8	10	***	8	9	6	10	9	16	11	15	30	41	40	***	***	12
15	38	22	15	10	6	4	5	3	5	2	2	2	7	4	4	4	4	4	5	18	26	26	13	4	10
16	5	4	2	0	0	0	0	0	0	1	2	2	5	2	5	7	4	6	6	6	7	8	4	3	3
17	1	0	0	0	0	0	2	6	3	3	6	8	7	8	3	3	5	3	3	6	10	9	13	11	5
18	12	9	5	3	1	1	6	7	6	7	5	7	8	8	8	8	4	2	2	4	6	1	4	3	5
19	1	1	1	0	0	0	3	5	5	6	6	4	4	3	1	3	4	2	4	8	12	6	9	11	4
20	6	1	0	0	0	0	1	3	4	4	3	2	4	4	4	4	3	1	3	1	19	12	26	27	6
21	18	13	8	4	2	6	7	10	10	10	12	13	4	5	7	8	8	7	9	5	17	***	22	21	10
22	41	31	17	5	2	2	2	4	4	4	5	5	***	8	12	7	4	3	5	9	13	35	11	8	10
23	2	2	1	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	1	2	3	2	3	4	1
24	5	2	0	0	0	4	7	11	7	***	10	3	6	9	8	9	10	7	10	16	32	26	34	22	10
25	21	13	6	2	2	3	8	10	8	7	7	9	11	9	11	10	11	7	10	18	23	13	3	9	9
26	3	3	1	1	0	0	2	4	3	3	4	4	4	4	2	3	3	3	2	4	2	4	2	3	3
27	9	5	1	0	0	0	1	4	3	4	8	8	7	2	4	7	4	7	10	21	6	4	4	3	5
28	3	3	1	1	0	1	3	3	3	5	6	7	6	5	5	5	5	4	2	3	6	8	14	6	4
29	16	19	5	2	1	1	1	2	2	1	1	1	2	1	6	10	7	3	3	4	6	9	20	22	6
30	11	19	6	4	2	2	3	2	2	3	3	2	3	4	10	6	10	11	19	24	28	28	21	16	10
31	8	5	2	1	1	1	4	6	6	7	9	10	10	11	9	11	14	18	32	21	25	11	13	19	11
MEAN	10	8	4	2	1	1	3	4	4	4	5	5	5	5	6	6	6	6	7	11	14	13	11	9	6.3

PERCENTAGE OF



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 31049		MISSION.381 YONGE ST TORONTO												MONTH - AUG 78										MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	16	6	5	6	4	5	5	5	4	4	8	8	10	10	10	13	16	19	23	27	31	31	24	13
2	20	15	11	8	6	6	10	9	8	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3																									
4																									
5																									
6																									
7																									
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	1	1	1	1	0	0	1	3	3	3	4	6	6	6	7	12	6	4	6	3	4	4	8	5	4
10	3	1	1	1	0	1	2	5	8	7	8	7	9	6	8	6	6	6	8	17	.....	.....	.....	.....	6
11																									
12																									
13																									
14																									
15																									
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	2	1	1	0	0	1	2	2	3	3	3	4	4	3	3	3	3	2	2	5	13	11	9	11	4
18	9	7	3	1	1	2	7	8	6	6	7	6	6	9	7	9	9	7	9	18	29	35	30	28	11
19	27	27	9	6	3	2	3	2	2	2	1	2	3	2	3	2	5	4	3	4	3	4	5	3	5
20	4	2	1	0	0	0	0	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	8	8	5	3	3	3	8	9	8	9	8	6	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	8	3	2	2	2	4	8	11	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24																									
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	40	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	6	5	2	2	0	1	6	6	4	6	7	6	3	3	4	4	4	3	3	8	9	6	7	4	5
31	5	3	2	2	2	3	6	9	10	8	5	7	6	5	7	9	10	10	3	11	14	9	12	11	7
MEAN	11	9	3	2	2	2	5	6	6	5	5	5	5	5	6	6	6	6	6	10	12	12	14	12	6.7

PERCENTAGE OF DATA VALID - 44.9      PERCENTAGE OF DATA INVALID - 55.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 31049		MISSION.381 YONGE ST TORONTO												MONTH - SEP 78										MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	3	1	1	1	6	8	7	8	8	8	4	3	4	7	10	7	10	14	16	8	3	7	7
2	11	8	4	2	2	2	1	2	2	2	4	4	1	2	2	5	4	3	6	6	6	7	5	6	4
3	5	9	2	2	1	1	2	2	2	3	3	5	7	8	6	6	3	2	3	2	4	12	19	12	5
4	8	4	2	2	2	2	2	2	2	2	3	2	4	3	2	2	2	3	7	6	4	4	4	5	3
5	4	3	1	1	1	2	4	8	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	1	1	1	1	1	1	2	2	2	3	7	4	3	3	3	3	3	4	4	5	4	6	3	3	3
7	2	2	1	1	1	1	3	5	5	5	7	5	7	5	7	5	7	7	7	12	13	10	7	6	5
8	7	4	3	1	1	1	3	4	4	6	9	7	10	11	10	10	12	10	8	9	8	8	4	5	6
9	8	5	3	1	1	2	2	2	4	4	6	6	5	6	6	6	6	6	6	16	18	20	15	10	7
10	9	5	3	2	1	1	1	2	3	2	4	5	5	4	7	10	18	16	11	17	20	17	15	13	8
11	6	4	3	3	4	6	11	26	22	10	10	11	7	8	6	11	7	9	15	23	27	18	9	9	11
12	7	3	2	1	1	2	6	7	9	8	9	8	7	7	11	21	25	20	13	17	15	12	10	8	10
13	7	3	1	1	1	2	6	7	6	5	6	9	5	5	7	14	14	9	6	9	14	8	7	4	7
14	4	2	1	1	1	2	7	8	6	7	9	11	15	20	33	33	33	24	6	9	6	2	2	2	9
15	2	1	1	2	1	2	4	5	4	3	3	3	3	3	3	4	3	2	3	2	3	1	2	5	3
16	4	3	2	2	1	1	1	2	3	2	2	2	2	2	3	5	4	4	7	9	5	6	11	19	4
17	17	11	6	3	3	2	2	2	2	3	4	4	6	8	10	11	11	11	14	12	14	8	9	6	7
18	3	2	1	0	1	1	3	5	6	5	5	6	8	7	7	8	9	7	4	6	12	9	8	8	5
19	5	2	2	1	1	1	5	8	10	9	10	7	8	6	7	6	10	11	9	15	19	10	8	6	7
20	7	5	3	3	2	2	5	11	8	9	9	7	6	7	8	10	9	10	11	13	22	13	19	11	9
21	5	4	3	3	3	5	8	8	11	9	6	5	4	4	5	4	5	4	5	5	9	4	3	5	5
22	3	3	2	1	1	2	5	7	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	11	9	5	3	2	2	2	4	5	4	2	2	3	3	5	6	6	11	10	14	15	20	17	14	7
24	24	24	12	7	3	2	5	3	2	2	2	2	2	3	4	4	3	3	5	9	8	4	4	2	6
25	1	0	0	0	0	1	1	3	3	4	4	6	4	3	4	4	6	6	3	7	7	10	10	6	4
26	7	5	2	1	1	2	6	3	5	3	3	3	5	4	4	3	3	2	3	4	5	3	2	3	3
27	2	1	2	1	1	2	3	3	3	3	3	3	3	3	3	3	4	3	12	5	3	2	2	1	3
28	1	1	1	0	1	1	2	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	7	5	3	3	2	3	9	11	7	6	4	7	5	7	6	8	10	7	9	12	16	15	18	21	8
30	20	7	5	3	2	2	3	3	2	2	2	3	3	4	6	5	10	18	20	5	8	5	4	2	6
MEAN	7	5	3	2	1	2	4	6	6	5	5	6	5	5	6	8	8	8	8	10	11	9	8	7	6.0

PERCENTAGE OF DATA VALID - 99.4      PERCENTAGE OF DATA INVALID - 0.6      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31049 MISSION, 381 YONGE ST TORONTO													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	2	2	2	2	2	2	2	2	3	3	3	4	5	4	3	3	4	3	2	3	4	3
2	3	2	1	1	1	2	5	7	6	4	6	7	5	4	3	3	3	3	5	7	8	9	13	6	5
3	6	5	2	2	2	2	3	3	3	4	7	7	7	7	7	8	10	7	10	13	11	8	5	2	6
4	3	1	1	1	1	1	2	2	3	4	***	3	3	3	3	3	3	3	3	3	4	3	5	3	3
5	4	2	2	1	1	1	5	5	4	3	5	5	5	6	7	6	12	9	14	12	6	2	8	3	5
6	3	1	1	1	1	1	1	2	2	2	3	3	2	2	***	3	4	4	4	7	6	7	6	3	3
7	2	1	1	0	0	1	1	1	1	2	2	2	2	2	2	3	3	2	3	4	3	3	5	4	2
8	4	3	1	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	2	6	4	6	6	5	2
9	3	2	1	2	2	2	2	1	2	1	2	1	2	2	3	3	2	1	1	2	1	3	2	2	2
10	1	1	1	1	1	1	3	5	4	3	4	4	4	5	4	6	6	6	4	4	3	6	5	5	4
11	3	3	1	4	3	4	7	12	13	7	7	7	8	8	7	8	9	11	10	14	11	4	2	2	7
12	1	1	1	1	1	1	2	3	3	2	2	2	3	2	***	3	5	5	7	5	6	4	5	3	3
13	3	2	2	1	1	1	3	4	6	5	6	6	6	7	6	7	8	6	5	10	14	13	18	6	6
14	5	5	4	2	1	0	1	2	3	4	4	4	4	5	4	8	4	3	2	3	8	4	11	7	4
15	9	4	2	1	0	1	1	2	2	3	1	2	4	5	6	7	8	15	22	14	11	9	12	5	6
16	2	1	0	0	1	1	3	6	4	5	7	5	***	***	***	***	***	***	***	***	***	***	***	***	***
17	***	***	***	***	***	***	***	***	***	***	***	***	***	3	3	4	5	6	5	3	2	3	3	4	***
18	4	2	2	1	2	2	4	6	2	4	5	3	4	4	3	3	4	5	6	4	5	5	3	4	4
19	2	1	1	1	1	2	4	6	5	6	4	3	4	4	4	3	3	3	4	5	6	3	3	2	3
20	2	2	1	2	1	2	5	7	10	5	5	5	3	4	3	4	4	5	4	2	2	2	3	4	4
21	6	3	3	1	1	2	2	2	2	2	3	4	4	5	3	3	2	2	2	2	3	6	5	6	3
22	5	1	2	1	1	1	1	1	1	2	2	2	2	3	3	6	2	4	5	4	2	4	4	3	3
23	2	1	1	1	1	1	2	3	5	3	3	2	3	4	4	4	4	3	3	5	7	4	4	3	3
24	3	3	2	2	2	2	3	4	3	4	4	3	3	3	***	3	4	2	2	3	3	2	2	1	3
25	2	1	1	0	1	1	2	2	2	3	3	2	2	2	3	3	2	2	1	1	1	1	1	2	2
26	1	1	1	1	1	2	3	5	3	3	4	4	4	3	3	4	6	4	5	4	6	4	4	3	3
27	2	1	0	1	0	1	2	4	4	3	3	3	5	***	***	4	3	2	2	2	3	2	2	2	2
28	4	3	2	2	2	1	2	3	3	2	2	3	3	3	4	4	4	3	3	4	3	3	4	5	3
29	3	3	3	1	1	1	1	1	2	3	3	4	6	7	8	9	10	14	14	10	10	13	6	7	6
30	4	1	0	0	0	1	1	2	4	4	5	6	5	5	***	7	10	12	14	13	13	2	1	1	5
31	2	1	1	1	1	1	2	4	6	6	5	6	6	7	7	6	7	4	3	4	5	6	7	11	5
MEAN	3	2	1	1	1	1	3	4	4	3	4	4	4	4	4	5	5	5	6	6	6	5	5	4	3.7

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31049 MISSION, 381 YONGE ST TORONTO													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	7	4	2	2	2	2	6	9	8	4	6	4	3	3	3	4	4	4	4	2	3	5	3	5
2	2	1	1	1	1	1	1	2	5	4	3	4	3	5	5	5	6	7	6	6	8	6	6	12	4
3	6	12	10	6	5	5	5	13	14	8	9	13	9	11	13	11	13	14	14	15	21	28	32	26	13
4	30	18	7	7	6	4	5	4	5	7	5	5	6	4	4	19	21	6	7	27	33	31	37	41	14
5	40	36	18	14	11	6	4	4	4	5	4	6	5	3	3	19	6	5	7	5	4	5	2	2	9
6	2	2	1	1	1	1	2	5	6	8	5	5	3	3	3	4	4	4	3	3	3	5	3	3	3
7	2	2	1	1	0	1	1	3	5	4	4	5	5	7	8	6	10	10	6	4	4	4	5	4	4
8	4	4	2	1	1	2	4	8	7	4	4	2	2	3	2	3	3	4	3	2	5	3	1	1	3
9	1	1	1	1	1	1	1	1	2	2	3	3	3	4	5	5	6	6	3	5	11	10	7	7	4
10	8	11	8	4	2	2	2	7	10	8	7	8	10	8	10	10	9	11	10	14	13	16	20	21	10
11	21	23	15	8	6	2	2	2	3	4	4	5	5	4	6	5	7	5	4	5	4	5	6	10	7
12	14	16	8	4	2	1	1	1	2	2	3	4	8	13	9	13	17	19	13	14	12	11	7	5	8
13	4	2	1	1	0	1	1	5	7	6	8	6	5	9	7	7	10	10	10	8	4	3	3	3	5
14	2	2	1	1	1	1	2	2	4	3	3	3	3	2	***	3	3	3	3	3	2	3	3	4	2
15	2	1	1	1	0	0	1	1	3	3	3	3	3	3	3	4	5	4	5	6	6	8	6	5	6
16	6	6	4	2	1	1	1	5	8	7	6	6	7	6	7	6	7	9	11	9	10	9	6	5	6
17	3	2	2	1	1	1	1	3	4	5	7	9	8	8	9	9	10	9	4	4	4	5	4	2	4
18	2	2	1	1	1	1	1	1	1	2	2	2	2	2	3	4	4	4	4	4	6	5	4	2	3
19	3	2	2	2	1	1	1	1	1	1	1	2	2	3	3	3	4	4	4	3	3	3	3	2	2
20	2	1	1	1	1	1	1	3	5	5	5	6	6	7	6	6	8	9	8	6	4	8	4	5	5
21	4	4	2	2	2	1	2	4	7	7	7	10	9	9	9	8	9	11	8	10	9	12	10	9	7
22	7	6	2	1	1	1	1	2	4	4	3	4	4	7	8	6	6	6	5	4	4	6	5	4	4
23	6	5	2	1	1	1	1	4	6	5	6	7	5	6	6	6	3	3	3	3	3	4	3	3	4
24	3	2	2	1	1	1	1	3	4	4	4	4	4	3	4	4	6	6	7	3	4	4	5	5	4
25	5	4	2	2	1	1	2	2	3	2	2	2	4	2	4	4	5	6	3	4	4	4	11	15	4
26	20	17	13	10	3	1	1	2	1	2	3	3	5	6	5	8	11	17	18	16	12	17	6	4	8
27	3	1	1	0	0	1	1	1	2	2	2	3	2	3	3	4	4	5	3	4	5	4	3	3	3
28	2	2	1	1	1	1	2	4	6	4	4	4	4	4	4	5	4	5	2	2	2	2	3	2	3
29	1	2	1	1	1	1	1	2	3	2	2	2	2	3	2	3	2	2	2	2	2	1	1	1	2
30	2	1	1	1	1	1	1	2	3	2	2	3	3	2	3	3	3	4	3	5	5	4	2	4	3
MEAN	8	7	4	3	2	2	2	3	5	4	4	5	5	6	6	6	7	7	6	7	7	7	7	7	5.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\*

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31049 MISSION, 381 YONGE ST TORONTO													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	1	1	1	1	2	2	2	2	3	4	3	****	3	3	5	2	3	5	5	5	5	3
2	3	3	2	1	1	1	1	1	2	2	2	2	3	3	3	4	5	7	13	20	19	14	16	17	4
3	12	12	5	3	2	1	1	1	1	1	1	2	3	4	4	5	5	6	6	9	4	4	6	7	6
4	2	1	1	1	1	1	1	2	3	2	2	2	2	3	3	2	3	2	3	2	2	2	2	2	2
5	2	1	1	1	1	1	1	1	1	1	2	3	2	2	****	2	2	2	2	2	1	1	2	2	2
6	2	2	1	1	1	1	1	2	4	4	3	4	3	3	4	4	4	5	4	3	4	4	4	3	3
7	2	3	2	2	1	2	3	5	8	5	6	8	7	9	7	6	7	8	8	6	8	11	8	10	6
8	10	5	3	3	2	2	2	5	6	5	4	4	4	4	3	9	8	8	6	10	13	18	6	16	7
9	10	8	5	4	2	1	2	2	2	2	3	2	3	3	3	2	3	2	3	3	4	4	3	4	3
10	3	3	1	1	0	0	0	1	1	1	1	1	2	2	2	2	4	2	2	2	2	1	1	1	2
11	1	1	0	0	0	0	1	2	3	3	4	3	4	5	4	4	5	6	4	4	3	3	2	2	3
12	2	2	2	1	1	1	1	2	3	2	2	4	3	3	3	2	2	4	3	2	2	2	2	1	2
13	2	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	4	3	3	3	2	2	2	2
14	2	2	1	1	1	1	1	3	4	4	3	3	3	3	3	2	3	2	2	1	1	2	1	2	2
15	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	4	5	4	4	9	13	5	5	3
16	4	5	2	3	2	1	1	1	1	1	1	1	2	2	2	2	2	3	3	4	2	2	1	1	2
17	2	3	2	1	1	1	1	1	1	1	1	1	4	5	5	3	4	4	4	5	5	6	3	2	3
18	1	1	1	1	0	1	1	3	5	4	****	4	5	5	3	4	4	4	5	5	6	3	2	2	3
19	2	2	2	1	1	1	1	2	4	3	3	3	4	4	5	4	5	7	4	4	9	10	9	7	4
20	7	4	3	2	1	1	1	3	4	5	5	6	6	8	****	7	6	14	5	6	5	5	6	5	5
21	3	3	2	2	2	1	2	2	3	2	3	3	3	3	4	5	5	5	5	5	5	6	3	4	3
22	4	3	2	1	1	1	1	2	3	3	3	3	3	4	3	3	2	2	2	2	3	3	4	3	3
23	3	2	2	1	1	1	1	1	1	2	2	2	2	3	5	4	5	4	7	9	12	6	11	22	5
24	13	14	5	2	1	1	1	1	1	1	2	3	3	5	5	6	10	7	8	7	9	7	8	7	5
25	6	5	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	2	1	2	2
26	1	1	1	0	0	0	0	1	1	1	2	2	3	4	9	7	4	3	3	4	3	3	3	2	3
27	2	1	1	1	0	0	1	2	3	2	2	3	4	4	4	3	4	4	4	4	4	3	3	3	3
28	3	2	1	2	1	1	1	4	5	3	4	7	8	6	7	8	7	11	5	16	12	9	4	9	6
29	10	5	4	2	1	2	3	5	8	8	12	13	10	11	10	****	9	7	10	13	7	10	9	10	6
30	8	8	4	3	2	2	2	2	2	3	4	4	6	7	8	9	12	8	16	22	17	18	21	16	9
31	12	4	4	4	2	2	2	2	3	3	3	4	7	8	8	10	9	11	10	14	15	14	12	15	7
MEAN	4	4	2	2	1	1	1	2	3	3	3	4	4	4	4	4	5	5	5	7	6	6	5	6	3.8

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION											
STATION - C NO 31049 MISSION, 381 YONGE ST TORONTO													MONTH - DEC 78											
MONTH	NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING																	
JAN	4		3.4		7		30																	
FEB			DATA UNAVAILABLE																					
MAR			DATA UNAVAILABLE																					
APR			DATA UNAVAILABLE																					
MAY			DATA UNAVAILABLE																					
JUN	30		7.3		19		47																	
JUL	31		6.3		13		41																	
AUG	12		6.7		13		40																	
SEP	30		6.0		11		33																	
OCT	29		3.7		7		22																	
NOV	30		5.2		14		41																	
DEC	31		3.8		9		22																	
YEAR	197		5.4		19		47																	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 31049 MISSION, 381 YONGE ST TORONTO

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	31	46	26	1	3	0	107
FEB	DATA UNAVAILABLE						
MAR	DATA UNAVAILABLE						
APR	DATA UNAVAILABLE						
MAY	DATA UNAVAILABLE						
JUN	79	168	289	81	70	26	713
JUL	133	187	243	96	66	10	735
AUG	33	88	135	44	29	5	334
SEP	71	205	283	101	54	2	716
OCT	130	285	255	33	10	0	713
NOV	117	207	288	65	35	7	719
DEC	168	296	205	49	21	0	739
YEAR	762	1482	1724	470	288	50	4776

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH  
MEAN

81.2	0	0.5	1.9	3.2	5.4	10.6	15.9	23.4	30.3	47	5.4
------	---	-----	-----	-----	-----	------	------	------	------	----	-----

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	1	1	1	1	2	3	4	4	3	4	3	4	4	4	4	4	4	4	2	2	2	3	3
5	2	1	1	1	1	1	2	3	5	5	4	5	5	6	6	9	12	9	6	7	4	3	3	4	4
6	2	1	1	1	1	1	2	2	4	3	4	4	5	4	5	6	7	6	4	4	3	3	3	3	3
7	3	3	2	2	2	2	2	2	2	3	3	3	4	4	6	6	5	4	4	6	5	3	5	6	4
8	3	4	3	2	2	2	2	3	3	2	2	3	3	3	4	5	5	6	4	3	2	2	2	2	3
9	1	1	1	1	1	1	2	2	2	2	2	3	4	3	3	4	4	4	3	2	2	2	3	2	2
10	2	2	2	2	2	2	2	3	3	3	3	2	3	2	2	3	3	3	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	3	3	3	3	4	3	3	4	4	4	4	4	3	3	3	3	3	3
12	3	3	2	2	2	2	2	3	6	5	5	5	5	5	7	10	9	11	7	5	5	6	5	5	5
13	4	4	3	2	2	1	2	3	4	5	5	4	4	4	5	4	4	5	3	3	3	2	2	2	3
14	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	3	2
15	2	2	2	2	2	1	2	2	3	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2
16	2	2	2	2	2	2	2	3	4	4	3	3	3	3	4	5	6	5	5	5	3	4	3	3	3
17	3	3	2	2	2	2	2	3	4	5	5	5	4	4	4	4	5	5	4	3	3	3	3	3	3
18	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4
19	3	3	6	3	3	4	3	6	8	10	7	8	5	4	4	4	5	6	5	4	4	4	4	4	5
20	3	3	3	2	2	2	3	4	3	4	4	3	4	4	4	4	4	4	4	3	3	3	3	3	3
21	3	2	2	2	2	2	2	3	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3
22	5	5	4	3	2	2	3	3	3	3	3	3	3	3	3	4	3	4	3	3	3	3	3	3	3
23	2	2	2	2	2	2	3	4	5	4	4	4	4	4	5	5	6	5	4	3	3	3	3	3	4
24	3	3	2	2	2	2	3	3	5	5	4	5	5	5	5	6	8	7	5	4	3	4	3	4	4
25	4	3	3	2	2	2	3	4	8	8	6	6	7	5	5	6	6	6	4	4	3	3	3	2	4
26	2	2	2	2	2	2	2	3	3	2	3	2	2	2	3	5	5	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	3	3	4	3	3	3	3	3	3	3
28	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3
29	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
30	3	3	2	2	2	2	3	3	4	4	4	3	3	3	3	4	4	5	5	3	3	3	3	3	3
31	3	2	2	2	2	2	3	4	5	4	4	4	4	4	4	5	5	6	4	4	3	3	3	3	4
MEAN	3	2	2	2	2	2	2	3	4	4	3	4	3	3	4	4	5	5	4	3	3	3	3	3	3.1

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO		MONTH - FEB 78																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	3	4	4	4	4	3	3	3	****	4	4	4	4	4	3	3	3	4	3
2	3	3	2	2	2	2	3	3	4	6	7	5	5	5	6	6	6	6	5	4	4	4	3	3	4
3	3	2	2	2	2	2	3	5	4	4	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3
4	4	3	3	3	3	2	3	3	3	3	4	3	4	5	7	8	7	5	5	5	5	4	4	6	4
5	5	5	4	4	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	3
6	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	3	3	2	2	3	3	3
7	2	2	2	2	2	2	2	2	4	4	3	4	3	3	4	4	4	4	4	3	3	3	3	4	4
8	3	2	2	2	2	2	3	4	6	5	4	-	5	6	6	5	5	6	5	5	5	3	3	3	4
9	3	4	3	2	2	2	3	3	4	4	5	4	3	3	3	5	10	7	5	5	5	3	3	3	5
10	3	3	3	3	2	2	2	4	4	6	7	7	8	8	8	9	11	10	5	4	4	3	3	3	5
11	4	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3
12	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
13	2	2	2	1	1	1	1	2	2	4	4	4	4	4	4	4	5	12	8	4	3	2	2	2	2
14	2	2	2	1	2	2	2	3	4	5	5	5	4	4	4	4	5	3	4	4	3	4	4	3	3
15	3	2	2	2	2	2	2	5	5	5	5	5	5	5	5	7	9	8	6	5	4	3	4	5	4
16	4	3	3	2	2	2	3	3	4	5	4	4	5	5	5	6	7	5	3	3	4	4	4	3	4
17	3	3	2	2	2	2	2	4	4	4	3	3	4	4	4	5	5	5	4	3	3	4	4	4	3
18	5	4	3	3	3	2	3	3	3	3	4	3	3	4	3	3	4	3	3	3	3	3	3	4	3
19	3	4	3	2	2	2	3	3	3	3	3	3	3	3	3	4	3	3	4	4	4	3	4	3	4
20	4	2	2	2	2	3	3	6	6	7	6	5	6	6	8	6	8	8	7	5	4	4	4	4	5
21	4	2	2	2	2	2	3	4	4	7	4	5	5	4	4	4	5	4	3	4	3	3	3	3	4
22	3	2	2	2	2	2	3	3	4	3	3	3	3	3	3	3	4	5	4	4	3	3	3	3	3
23	3	3	2	2	2	2	2	3	5	5	4	5	5	3	4	4	3	4	3	3	3	3	3	3	3
24	2	2	2	2	1	1	2	3	3	3	2	2	2	3	3	3	8	7	5	4	3	3	2	2	3
25	5	4	3	2	2	2	2	2	3	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
27	2	2	1	1	2	2	2	3	3	4	3	4	3	3	3	7	10	8	5	4	4	5	4	3	4
28	2	2	2	2	2	2	2	5	6	4	5	6	5	4	7	7	10	8	5	4	4	5	4	3	4
MEAN	3	3	2	2	2	2	2	3	4	4	4	4	4	4	4	5	6	5	4	4	3	3	3	3	3.4

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO		MONTH - MAR 78																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	2	2	3	3	4	5	4	4	3	3	3	3	3	4	3	3	3	2	2	2	3
2	2	2	2	2	2	2	2	3	4	4	3	3	2	3	3	3	3	5	3	3	3	2	2	2	3
3	2	3	3	2	2	2	2	3	4	4	4	4	4	4	4	4	4	3	3	3	3	2	2	2	3
4	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	3	5	6	6	7	7	6	6	6	6	5	4	3	3	2	2	2	2	4
7	2	2	1	1	1	1	3	4	3	3	2	2	2	2	2	2	2	3	3	2	3	3	2	2	2
8	2	2	1	1	1	1	2	3	7	4	4	4	4	4	5	6	7	7	8	5	6	4	5	6	7
9	6	6	3	3	2	2	4	6	6	5	5	4	4	6	6	6	6	7	5	4	3	3	4	3	5
10	3	4	2	3	2	2	4	5	4	4	3	4	4	5	6	6	7	10	10	6	4	5	4	5	4
11	4	4	3	2	2	3	3	4	3	3	3	3	5	3	4	6	4	5	4	6	4	5	5	5	4
12	5	4	2	2	2	2	2	2	2	2	1	1	2	2	1	2	2	1	2	2	2	2	2	2	2
13	2	1	2	3	2	2	5	5	7	5	5	5	5	6	7	6	8	5	4	3	3	3	3	3	4
14	3	2	2	2	2	2	3	5	5	6	7	6	4	4	3	3	4	3	3	3	2	3	2	2	3
15	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3
16	3	2	2	2	2	2	3	4	7	4	5	5	5	6	6	6	6	9	8	7	5	5	4	5	5
17	4	4	3	3	3	3	3	5	5	5	5	5	6	6	6	6	8	9	6	5	4	4	3	3	5
18	4	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	4	3
19	3	4	3	2	2	2	2	3	2	2	2	2	2	3	3	3	3	3	3	3	2	3	3	3	3
20	3	2	2	2	2	3	4	6	6	5	5	5	5	6	6	6	7	6	4	4	4	4	4	5	4
21	4	4	3	3	4	3	6	10	8	8	6	7	6	6	6	5	5	5	4	4	3	4	3	4	5
22	4	3	3	3	3	3	3	4	3	3	4	3	7	6	10	7	12	10	8	5	3	3	3	3	5
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2
24	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3
25	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
26	4	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
27	3	3	3	3	3	3	3	4	5	5	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4
28	4	3	3	3	3	4	6	6	5	5	5	5	5	5	5	5	6	6	5	5	6	4	4	4	4
29	5	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
30	4	3	3	3	3	3	4	5	5	9	7	7	6	5	3	4	5	4	4	4	3	4	4	4	4
31	3	3	3	2	2	2	3	6	6	7	5	5	4	6	6	8	9	7	4	4	4	4	3	3	5
MEAN	3	3	2	2	2	2	3	4	4	4	4	4	4	4	4	5	5	5	4	4	3	3	3	3	3.6

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	3	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
2	2	2	2	2	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2
3	3	2	2	2	2	1	2	2	3	3	3	4	4	4	5	5	6	5	4	3	3	3	2	3	3
4	2	2	2	2	2	2	2	4	4	4	4	3	4	5	5	7	11	7	6	6	4	4	2	1	4
5	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	3	3	2	3	2	2
6	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	6	6	4	4	3	3	3	3	3
7	2	2	2	2	1	1	2	2	3	2	2	2	3	3	2	2	3	2	2	2	2	2	2	2	2
8	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1
9	2	2	1	1	1	1	1	2	1	1	2	2	2	2	3	4	3	3	4	5	5	4	3	4	2
10	3	2	2	2	2	1	2	2	3	3	3	3	3	3	4	4	7	4	3	3	3	2	2	2	3
11	2	2	2	1	2	2	2	5	7	8	8	9	6	3	3	3	3	3	3	4	2	3	3	4	4
12	2	2	2	2	2	2	3	4	3	3	4	5	5	6	6	8	11	10	8	6	5	4	4	5	4
13	6	7	4	3	4	3	5	4	4	***	3	3	3	3	3	4	3	4	3	3	3	3	3	3	4
14	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3
15	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	3	3	3	2	2	3	3
17	2	2	2	2	1	2	2	3	4	5	4	4	***	4	5	4	8	5	4	3	3	2	2	2	3
18	2	2	2	1	2	2	2	3	4	3	3	4	3	3	3	3	4	4	3	2	2	2	2	2	3
19	2	2	1	1	1	1	2	3	4	3	3	4	3	3	3	4	5	4	3	3	2	2	2	2	2
20	2	1	1	1	1	1	2	2	3	2	3	3	3	2	3	3	3	3	2	2	1	2	2	2	2
21	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
22	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2
23	2	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	5	6	2	3	4	3	3
24	3	3	3	2	1	1	2	3	5	***	4	6	5	6	6	7	7	3	2	2	3	3	2	2	4
25	2	2	2	2	2	2	2	3	3	3	4	4	4	6	6	6	11	6	4	6	5	4	4	4	4
26	3	3	2	2	2	2	3	4	5	5	4	5	6	5	5	6	9	9	5	6	5	4	4	4	5
27	3	3	3	3	3	3	3	4	6	6	5	***	7	7	9	8	10	9	5	4	4	4	4	4	5
28	4	4	4	4	3	3	4	4	4	4	4	5	5	4	5	5	5	5	5	4	5	5	5	4	4
29	4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
30	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
MEAN	3	3	2	2	2	2	2	3	3	3	3	3	3	3	4	4	5	4	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	4	4	4	4	4	4	4	4	4	****	4	4	5	5	4	4	4	4	4	4	4	4
2	4	3	3	3	3	3	3	4	4	3	3	4	3	3	3	4	4	3	3	3	3	3	3	3	3
3	2	2	2	2	2	3	3	4	5	5	5	5	5	5	4	3	3	3	3	2	2	3	3	3	3
4	2	2	2	2	2	2	3	3	4	3	4	4	4	4	4	4	4	4	3	3	3	2	2	3	3
5	2	2	1	1	1	2	3	3	4	4	4	5	4	4	5	6	7	5	4	3	3	4	4	3	4
6	3	3	2	2	2	2	3	3	3	3	4	5	5	5	7	6	4	4	5	6	5	5	3	2	4
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2
8	2	2	2	2	2	2	3	4	5	5	****	5	5	6	7	8	9	6	5	4	4	3	3	4	4
9	3	2	2	2	2	3	4	4	6	6	5	4	5	4	4	3	4	3	3	4	3	3	4	3	4
10	2	2	2	2	2	2	3	4	3	3	3	3	3	3	3	4	4	4	3	3	3	4	4	4	3
11	3	3	3	4	3	4	5	6	6	6	6	6	5	6	6	7	7	5	6	6	6	6	8	7	5
12	5	4	3	3	3	3	5	8	7	7	8	6	8	9	11	9	6	5	5	4	4	4	4	3	6
13	3	3	3	2	2	3	3	3	4	4	4	5	5	6	6	4	4	5	4	5	4	4	4	4	4
14	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3
15	2	2	1	2	1	2	3	3	3	3	3	3	3	3	5	6	6	4	4	3	2	3	2	3	3
16	2	1	1	1	1	2	3	3	3	4	3	4	4	5	4	5	4	4	3	3	3	2	2	2	3
17	2	1	1	1	1	2	3	4	4	4	4	3	3	4	4	5	4	3	3	3	3	3	3	3	3
18	2	2	1	1	2	3	5	7	8	8	8	6	6	5	6	8	6	4	4	4	5	6	6	3	5
19	3	5	3	3	2	5	6	8	5	5	6	5	5	5	8	8	7	2	2	3	5	7	7	5	5
20	4	3	2	1	1	2	4	4	3	4	3	3	3	3	4	3	2	2	3	3	2	3	4	3	3
21	3	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	3	2	2	2	2	3	3	3	3	2	2	3	3	3	4	3	4	3	3
23	2	2	4	3	2	2	3	5	4	3	3	4	4	4	4	6	4	5	4	5	3	3	3	2	4
24	4	4	3	2	3	4	4	7	6	4	5	4	4	4	5	5	5	5	6	5	6	4	2	3	4
25	2	2	2	2	1	2	3	3	3	2	***	2	2	2	3	3	2	2	2	2	3	3	2	3	2
26	2	2	2	2	2	3	3	4	3	3	3	8	7	5	5	6	5	5	4	5	6	6	8	10	5
27	4	4	4	3	4	4	4	4	3	3	4	4	4	4	4	4	4	4	3	3	4	5	6	8	4
28	7	5	5	4	2	3	3	2	3	2	2	2	2	3	3	3	3	3	3	4	4	3	4	3	3
29	2	2	2	2	2	3	6	8	7	5	5	5	***	6	6	8	6	5	4	3	4	4	4	3	4
30	3	2	2	2	2	4	4	7	6	5	6	5	4	6	5	6	4	3	4	4	4	4	5	3	4
31	3	2	2	2	2	3	4	5	5	4	5	5	4	3	2	2	2	1	1	1	1	1	2	1	3
MEAN	3	3	2	2	2	3	3	4	4	4	4	4	4	4	5	5	4	4	3	3	4	4	4	3	3.6

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	***	5	7	5	5	6	8	8	6	5	4	4	5	4	4	4	4
2	4	3	3	3	3	5	7	8	9	8	7	5	4	3	4	4	4	3	3	3	3	3	3	2	4
3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	4	3	2	2	2	2	3	3	3	3	2
4	3	2	3	3	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2	3
5	2	1	1	1	1	1	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	3	2	2
6	2	2	2	2	2	3	5	6	6	5	11	4	5	4	5	5	5	5	4	5	5	6	3	2	4
7	3	3	3	2	2	3	5	8	7	7	9	8	7	7	8	11	9	6	6	4	5	4	5	5	6
8	3	3	2	2	2	4	4	5	7	7	***	2	2	2	2	3	2	2	2	2	2	2	2	2	3
9	2	1	1	1	1	2	2	3	2	2	2	2	3	2	2	3	2	2	2	3	2	2	2	2	2
10	2	2	2	2	2	2	3	3	3	3	3	4	3	4	3	3	3	3	4	5	7	6	6	3	3
11	3	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	3	3	3	3	3	2	2	2	2
12	1	1	1	1	1	2	3	4	4	3	4	3	3	4	5	5	5	5	3	3	1	1	1	1	3
13	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	4	3	2	2	2	3	2	2	2
15	2	2	2	1	1	2	2	3	2	2	***	***	5	6	5	4	4	3	3	4	5	4	5	4	3
16	4	4	2	2	2	3	5	7	5	5	5	5	5	5	6	7	5	4	5	4	5	5	5	5	5
17	5	4	3	2	2	3	3	3	4	3	4	5	4	5	5	4	4	4	3	4	3	3	4	2	4
18	3	2	3	2	2	3	3	2	2	3	3	2	2	2	2	2	2	1	2	2	2	2	2	1	2
19	1	1	1	1	1	2	3	5	3	4	3	3	5	5	5	5	5	3	2	2	2	3	4	3	3
20	3	2	1	2	1	2	4	6	3	3	6	4	5	5	6	7	8	4	3	4	3	4	4	4	4
21	3	3	2	2	2	2	4	5	6	8	9	18	7	11	8	9	8	2	1	2	2	2	2	1	5
22	1	1	1	1	1	2	2	2	2	***	2	2	3	3	3	3	2	2	2	2	3	3	3	1	2
23	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
24	3	2	1	1	1	1	2	3	4	3	3	3	3	2	3	3	3	3	4	4	5	4	6	6	3
25	4	3	7	4	4	3	4	2	2	2	3	3	3	2	3	3	3	3	4	4	4	5	4	2	3
26	2	2	1	1	1	2	4	5	6	***	9	7	8	9	12	11	12	3	3	3	4	3	2	1	5
27	2	1	1	1	1	3	6	7	5	6	9	5	8	8	2	3	2	2	2	2	2	1	1	1	3
28	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	3	4	2	1	2	4	2	3	2	2
29	2	1	1	1	1	2	2	2	2	***	1	1	1	1	2	3	2	2	2	3	3	2	2	2	2
30	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	3	2	1	2	2	4	3	5	2	2
MEAN	2	2	2	2	2	2	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	2	3.1

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	2	2	3	4	5	6	7	6	4	3	4	4	6	5	9	10	6	4	4
2	5	2	2	1	1	2	2	2	2	2	2	2	3	8	3	3	3	3	3	4	3	4	2	3	3
3	2	2	1	1	1	1	2	2	2	2	2	3	3	7	12	4	4	4	3	3	3	3	2	3	3
4	2	2	1	1	1	2	4	8	3	2	3	3	2	3	3	3	3	2	3	3	4	3	3	3	3
5	3	3	2	2	3	5	6	8	4	4	3	3	3	3	3	3	3	4	3	4	3	2	2	2	3
6	4	2	1	1	1	3	4	5	4	3	3	3	4	3	3	3	3	3	3	2	3	3	3	3	3
7	3	2	1	1	1	3	5	4	3	2	3	3	3	2	3	3	2	2	3	3	4	3	3	3	3
8	3	2	1	1	1	1	2	2	2	2	2	2	3	2	2	2	1	1	1	2	4	3	3	3	2
9	2	2	1	1	1	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	4	3	3	3	2
10	2	2	2	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
11	2	2	2	2	2	2	3	3	2	2	3	2	2	2	2	2	2	3	2	3	3	2	2	2	2
12	2	2	2	2	2	3	4	4	3	4	4	3	3	3	3	3	4	3	3	3	2	2	3	2	3
13	2	2	2	2	1	2	3	4	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	2	2	1	1	1	2	3	3	4	6	5	6	5	5	4	4	5	2	3	4	4	4	6	4	4
15	2	2	3	1	2	2	3	3	3	2	3	4	5	3	2	2	2	3	3	3	2	2	2	1	2
16	2	2	1	1	1	1	1	1	1	1	1	1	2	3	2	2	1	1	2	2	2	2	2	1	2
17	1	1	1	1	1	1	2	3	3	2	2	2	2	3	3	3	4	4	4	4	3	3	3	2	4
18	2	3	2	1	2	2	3	5	5	6	5	4	5	5	6	5	5	5	5	4	4	4	5	4	4
19	2	2	2	2	2	2	4	6	6	5	4	4	5	5	5	5	5	5	5	4	4	4	4	5	4
20	4	2	2	2	2	3	4	4	5	5	5	5	5	5	5	5	5	4	3	4	4	4	4	3	4
21	3	2	2	2	2	3	3	4	5	4	4	6	5	7	7	6	8	3	3	4	5	5	5	5	4
22	5	4	3	2	1	1	1	2	2	2	2	3	3	3	3	3	2	2	3	4	4	4	3	3	3
23	2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
24	1	1	1	1	1	2	4	6	4	4	5	6	5	5	5	6	5	4	3	3	4	3	3	4	4
25	3	2	2	2	2	2	3	6	4	4	5	5	6	5	5	5	6	5	3	3	3	4	4	4	4
26	3	2	2	2	3	3	4	4	4	5	4	5	5	4	5	5	4	5	5	3	3	3	3	4	4
27	4	3	2	2	2	3	4	5	5	5	6	7	7	6	8	7	5	4	5	5	3	3	3	3	4
28	3	3	2	2	2	2	3	3	3	4	4	5	5	6	7	7	6	5	5	5	5	5	5	4	4
29	5	4	4	3	3	3	3	3	3	3	4	4	5	4	5	6	3	3	3	4	4	4	4	4	4
30	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5	5	6	6	4	4
31	4	3	3	3	3	3	4	5	5	5	5	5	6	6	7	7	6	6	6	6	6	4	5	6	5
MEAN	3	2	2	2	2	2	3	4	3	3	3	4	4	4	4	4	4	3	3	4	4	3	3	3	3.2

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	6	5	5	5	5	6	7	6	6	6	7	8	8	10	8	8	6	5	6	6	5	5	6	6
2	6	6	5	6	5	7	8	10	7	7	8	7	7	5	6	6	4	4	3	3	2	3	3	2	5
3	2	1	1	1	1	1	1	3	4	5	3	3	3	3	4	6	5	3	4	3	2	2	1	1	3
4	1	1	1	1	1	1	2	3	4	3	4	5	5	6	7	5	5	4	4	4	4	4	4	3	3
5	4	4	4	5	4	5	4	3	3	4	4	4	5	5	4	4	4	4	3	4	5	3	4	3	4
6	5	5	5	4	3	4	5	4	4	3	3	3	4	4	3	4	4	4	5	5	7	6	6	4	
7	7	5	4	4	3	3	3	3	4	3	4	4	4	5	5	5	5	5	5	5	5	5	5	4	
8	5	4	3	3	3	4	5	6	***	5	5	5	6	6	6	7	6	5	4	4	3	4	4	3	5
9	3	2	2	2	3	3	3	6	5	5	6	6	7	6	7	6	7	6	6	3	4	3	3	4	4
10	3	2	2	2	2	3	3	4	5	5	5	4	4	5	6	6	6	6	6	6	6	6	6	7	5
11	8	4	4	3	3	3	5	7	7	5	3	3	3	3	3	4	3	3	3	3	4	4	5	8	4
12	5	3	2	2	2	1	3	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	3	3
13	2	2	2	2	2	2	3	3	2	3	2	2	3	3	3	3	3	3	3	3	5	5	4	2	3
14	3	2	2	1	1	3	4	5	5	9	5	5	6	4	5	4	5	4	4	4	2	4	5	4	4
15	2	2	2	1	1	2	4	5	4	5	5	5	4	3	5	6	4	2	5	4	3	2	3	2	3
16	2	1	1	1	1	1	2	3	3	4	4	2	4	4	6	3	2	2	1	1	1	1	1	1	2
17	1	1	1	1	1	2	2	2	2	2	3	2	2	***	3	2	2	1	2	2	2	2	3	2	2
18	3	3	2	2	1	2	3	6	6	4	4	5	5	5	6	7	5	3	3	4	2	3	4	4	4
19	4	2	2	2	2	2	2	2	3	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2
20	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2
21	2	2	2	2	2	2	3	5	***	6	6	5	4	6	6	10	5	4	5	5	5	5	5	4	4
22	4	2	2	3	4	3	6	8	7	6	7	6	4	6	8	6	8	4	4	4	4	6	5	5	5
23	4	2	2	2	2	3	5	9	7	5	5	5	5	7	7	7	5	3	3	4	7	3	3	3	5
24	5	3	2	2	2	2	6	10	8	6	8	5	6	11	9	11	6	3	3	3	3	3	2	5	5
25	2	1	1	1	1	2	3	4	4	5	4	6	8	8	10	11	8	5	5	6	6	5	5	4	5
26	3	2	2	2	2	2	3	2	2	2	2	4	3	3	3	3	3	4	4	4	5	3	3	3	3
27	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	3	3	3	3	2	2	2
28	2	1	1	1	1	2	5	5	4	4	5	***	4	3	7	9	4	4	4	3	2	2	2	2	3
29	2	1	1	1	1	2	4	5	5	4	6	3	2	2	2	2	2	2	2	3	3	3	3	3	3
30	3	2	2	1	1	2	7	6	5	7	6	6	5	6	8	14	6	3	4	4	3	2	2	2	4
31	2	1	1	1	1	2	3	4	4	4	***	3	3	6	5	8	7	5	5	4	5	5	5	6	4
MEAN	3	2	2	2	2	3	4	5	4	4	4	4	4	5	5	6	5	4	4	4	4	4	4	3	3.8

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO													MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	2	1	2	2	3	3	4	7	6	6	5	7	9	7	5	4	6	4	4	3	3	4
2	4	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	2	3	4	4	4	2	3	3
3	3	2	2	2	2	2	2	2	2	2	3	2	3	3	4	3	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	3	3	4
5	2	3	2	2	2	3	3	4	6	5	4	6	5	5	3	8	9	7	5	4	4	3	3	3	4
6	3	2	2	2	2	2	2	4	4	5	5	8	3	3	3	5	4	4	4	5	4	2	2	2	3
7	2	1	1	1	1	1	2	3	3	2	3	3	3	5	5	5	6	4	3	4	3	3	3	3	3
8	2	2	2	2	2	2	3	5	5	6	7	6	7	8	8	9	5	4	5	4	4	3	3	3	5
9	3	2	2	2	2	2	2	2	3	3	3	4	4	4	5	5	4	4	4	5	4	4	4	4	3
10	4	3	3	2	2	2	3	3	3	3	3	4	5	4	4	4	4	4	4	4	5	5	5	4	4
11	4	4	3	4	4	5	9	20	23	11	****	12	10	14	13	17	15	20	9	6	6	5	4	4	10
12	3	2	1	1	1	2	3	3	4	3	3	5	5	6	10	19	19	7	6	6	4	3	3	3	5
13	3	2	2	2	2	3	4	5	5	4	4	5	6	5	7	16	13	6	5	4	4	3	3	3	7
14	2	2	2	2	2	3	6	8	8	5	5	6	6	9	15	29	20	14	8	6	5	2	3	3	7
15	2	2	2	2	2	2	4	5	2	1	2	2	2	1	2	2	2	2	2	2	2	1	1	1	2
16	2	1	1	0	1	1	1	1	1	1	1	2	2	2	3	3	3	3	2	2	2	2	2	2	2
17	3	3	2	2	1	1	1	2	1	1	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2
18	1	1	1	1	1	1	3	3	3	3	4	3	4	4	4	6	5	3	2	2	2	2	2	2	3
19	1	1	1	1	1	2	2	4	6	4	5	4	4	5	6	8	11	7	5	4	4	4	3	3	4
20	3	2	1	1	1	2	5	6	7	4	5	5	6	6	5	9	7	6	4	4	7	4	7	7	5
21	5	3	3	3	2	3	4	7	10	5	3	3	2	3	3	4	3	3	2	3	2	3	3	2	4
22	2	2	2	2	2	2	3	4	5	4	5	6	3	4	3	5	8	5	3	5	4	4	4	4	4
23	3	3	3	2	2	2	3	3	4	5	3	3	3	3	3	4	5	4	3	4	5	4	4	3	3
24	4	7	6	6	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	2	2	2	3
25	1	1	1	1	1	1	2	2	2	****	2	2	3	2	3	2	3	3	2	3	2	2	2	2	2
26	2	2	2	2	2	2	3	4	5	4	5	5	5	6	6	6	6	4	3	3	3	3	2	1	3
27	2	2	2	2	2	2	4	5	5	4	4	5	4	4	4	6	6	5	3	3	3	3	4	4	3
28	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3
29	5	4	3	3	3	4	5	11	8	5	5	6	7	5	7	9	9	6	4	5	5	4	4	4	5
30	5	6	3	2	2	2	4	4	4	3	3	3	4	3	4	4	4	5	5	7	4	4	4	4	3
MEAN	3	3	2	2	2	2	3	5	5	4	4	4	4	4	5	7	6	5	4	4	4	3	3	3	3.8

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3	3	2	3	3	3	2
2	3	2	2	2	2	2	4	6	6	4	3	4	4	6	8	8	6	5	5	4	5	4	5	3	4
3	3	2	3	2	2	3	4	5	4	4	5	5	5	6	7	8	7	5	6	5	6	6	4	3	5
4	2	2	2	2	2	3	6	5	6	5	6	5	5	5	7	7	6	5	5	4	4	4	3	3	4
5	3	3	3	2	2	4	9	7	5	6	7	6	5	6	8	8	7	8	6	5	4	2	5	3	5
6	3	2	2	2	2	3	4	6	5	4	5	4	5	5	5	5	5	4	4	4	3	3	3	3	4
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3
8	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	3	4	4	5	4	4	4	5	4	4
9	4	4	4	4	4	5	5	5	4	4	5	4	4	4	5	4	5	4	4	4	4	4	4	4	4
10	3	3	3	3	3	4	5	6	5	5	6	7	8	8	10	12	8	6	5	5	6	5	6	5	6
11	4	4	4	5	5	6	7	10	11	****	7	7	7	6	8	11	8	6	5	5	5	4	4	3	6
12	3	2	3	2	2	3	5	5	4	4	4	4	4	4	4	4	4	4	4	4	3	3	5	4	4
13	3	3	2	2	2	3	3	4	***	4	4	4	3	4	4	5	4	4	4	4	4	3	3	3	3
14	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	4	3	4	4	5	4
15	4	4	3	3	3	3	3	3	4	4	5	4	5	5	5	5	5	5	6	5	5	4	5	3	4
16	3	3	3	3	3	4	6	6	6	5	6	6	6	6	8	10	8	7	6	5	6	4	5	4	5
17	5	3	3	3	4	4	6	9	11	8	5	6	6	7	8	10	7	7	5	5	5	5	4	4	5
18	5	4	4	4	4	5	7	8	6	7	6	6	6	6	7	6	6	5	4	4	3	3	2	2	4
19	4	3	3	3	3	4	5	8	7	5	5	4	6	***	8	6	6	5	4	3	3	2	2	2	4
20	2	2	2	2	2	3	5	6	7	6	6	5	5	6	7	8	6	5	5	4	3	4	4	3	5
21	4	2	2	2	2	2	3	3	3	4	4	4	4	3	4	3	4	3	4	3	4	4	5	3	3
22	3	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	3	3	3	2	3	3	2	3
23	3	2	2	2	2	3	3	3	3	3	2	2	3	3	3	3	3	3	2	3	2	3	3	3	3
24	3	2	3	3	3	3	5	7	6	5	7	6	5	5	6	6	6	5	3	3	3	3	4	3	4
25	3	2	2	2	2	3	4	5	5	4	5	5	5	5	6	6	6	4	3	3	3	4	4	3	4
26	3	2	2	2	2	3	3	3	4	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3
27	3	2	2	2	2	3	4	6	5	4	6	9	***	6	7	10	6	4	5	4	4	4	4	3	5
28	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	2	3	3	3	3	3	3	3	****
29	3	2	2	2	2	2	2	3	3	3	3	3	4	4	4	5	5	5	5	5	5	4	4	4	4
30	3	2	2	2	2	2	3	4	6	6	5	5	6	6	6	6	8	9	7	8	5	4	3	3	5
31	3	3	3	3	3	3	4	6	6	6	8	4	3	3	6	3	3	3	3	2	3	2	2	3	4
MEAN	3	3	3	3	3	3	4	5	5	4	5	5	5	5	6	6	5	5	4	4	4	4	4	3	4.1

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	3	6	8	5	5	5	6	6	6	9	9	6	5	4	4	4	4	5
2	3	3	3	3	3	3	3	5	6	5	4	4	5	6	5	4	6	6	5	5	5	5	5	6	5
3	4	5	5	5	5	5	4	13	12	7	7	7	7	6	7	7	13	9	8	6	6	7	9	11	7
4	14	8	6	6	6	5	5	6	6	7	6	6	8	6	6	10	10	6	7	11	14	15	16	14	9
5	13	12	8	9	8	5	5	5	4	5	4	5	4	5	5	15	5	5	4	5	4	5	3	4	6
6	3	3	3	3	3	3	3	7	9	5	4	3	3	4	4	4	4	4	3	3	4	5	4	4	4
7	3	3	3	3	3	3	3	4	5	5	4	4	4	5	5	5	5	5	5	4	4	5	5	5	4
8	5	4	4	3	4	4	6	11	9	6	7	6	5	5	7	8	8	7	5	5	5	4	4	4	6
9	3	4	3	3	3	3	4	4	4	4	4	4	5	6	7	9	10	7	7	8	6	6	5	8	5
10	4	6	4	3	3	3	4	8	9	5	5	6	7	7	7	10	12	8	6	6	6	5	6	6	6
11	5	4	4	4	5	3	4	4	5	5	4	4	5	6	9	10	6	3	4	3	3	3	3	3	5
12	3	3	2	2	2	2	3	3	3	3	3	3	4	5	6	7	6	7	4	4	4	4	4	3	4
13	3	3	3	3	3	3	3	6	6	5	6	5	5	6	8	9	7	5	4	4	4	4	3	3	4
14	3	3	2	2	2	3	3	4	5	4	***	2	2	2	2	2	3	3	3	2	3	3	3	3	3
15	3	2	2	2	2	2	3	4	4	3	3	3	3	4	4	5	6	5	4	5	4	5	4	4	4
16	4	4	3	3	2	3	3	5	5	5	5	5	6	5	6	6	9	9	5	5	4	4	3	3	5
17	3	2	2	2	2	2	2	3	4	5	5	5	7	6	7	12	13	8	5	3	3	3	2	2	5
18	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	3	4	4	4	3
19	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	4	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3	4	5	4	4	4	4	4	4	5	7	4	4	4	3	4	3	3	4
21	3	3	3	3	3	3	4	4	6	5	5	5	8	6	6	10	11	9	7	6	6	6	5	5	6
22	5	4	3	3	3	3	4	5	6	5	6	***	3	5	5	5	7	6	4	2	2	3	2	2	3
23	2	1	1	1	1	1	1	3	4	4	4	4	4	5	5	8	6	5	3	2	2	2	2	2	3
24	2	1	1	1	1	1	2	3	3	4	3	***	3	3	3	4	5	4	3	3	2	2	3	4	2
25	2	2	1	1	1	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	4	4	2
26	3	4	3	3	3	3	3	3	3	3	4	3	4	4	4	5	4	4	4	4	4	4	4	4	4
27	3	3	3	3	3	4	4	4	5	4	5	5	5	5	6	6	6	6	4	4	4	4	4	3	5
28	3	3	3	4	4	4	4	6	6	6	5	5	4	5	4	6	6	6	3	3	3	2	3	2	4
29	3	4	3	3	3	3	4	6	5	6	5	5	4	5	4	6	6	6	3	3	3	2	3	2	4
30	2	2	2	2	2	2	2	3	3	2	2	2	3	3	3	4	4	4	3	3	2	3	3	2	3
MEAN	4	4	3	3	3	3	3	5	5	5	4	4	5	5	5	7	7	6	5	4	4	4	4	4	4.4

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	4	3	3	4	****	4	4	6	5	5	6	3	3	3	2	2	2	3
2	1	1	1	1	1	1	2	2	2	3	2	2	2	2	3	3	3	3	4	5	3	3	5	4	2
3	4	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	4	4	4	5	4	4
4	3	3	3	2	2	2	3	3	3	3	3	3	3	3	4	5	5	4	3	3	3	3	3	3	3
5	3	2	2	2	2	2	3	3	3	3	3	3	4	5	4	4	5	4	4	5	4	3	4	3	3
6	3	3	3	3	2	3	3	5	6	4	****	3	2	2	3	3	4	4	2	2	2	2	2	2	3
7	1	1	1	1	1	1	2	4	5	3	3	4	3	4	4	5	7	5	4	3	4	3	3	4	3
8	4	5	2	2	2	2	2	3	4	3	2	2	2	2	3	5	4	4	3	3	2	3	2	2	3
9	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	3	2	2	2	2	2
10	2	2	1	2	1	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	3	3	4	3	4	3	4	4	4	7	10	9	7	4	3	3	2	3	4
12	2	2	2	1	1	2	2	3	3	3	3	3	3	3	4	5	5	7	3	3	2	2	2	2	3
13	2	2	2	2	2	2	2	2	3	2	2	3	3	3	3	3	3	4	2	2	2	2	2	2	2
14	2	2	2	1	1	1	2	3	4	4	3	3	3	3	3	4	5	4	3	3	3	2	2	2	3
15	2	2	1	2	2	2	2	2	3	3	3	3	3	3	3	4	6	6	4	3	4	4	4	3	3
16	3	3	2	2	2	2	2	2	3	3	4	4	4	4	5	4	5	5	5	5	5	4	3	4	4
17	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
18	3	3	3	3	3	3	3	5	5	5	4	3	4	4	5	5	5	5	4	4	4	4	4	4	4
19	4	4	4	4	3	4	4	5	5	5	4	4	4	5	5	5	5	5	5	4	4	4	6	5	4
20	5	4	4	4	4	4	4	5	6	5	5	6	5	6	6	7	8	8	5	5	5	4	5	6	5
21	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	5	5	6	5	4	4	5	4	4	4
22	4	4	3	3	3	3	4	5	5	6	5	5	6	7	7	5	4	4	4	4	3	3	4	4	4
23	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	6	6	7	7	5
24	6	5	5	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	4	4	5	4	4	4	4
25	4	4	4	3	3	3	4	4	3	4	4	4	3	3	4	4	4	3	3	3	3	4	4	3	4
26	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	4	4	3	3	3	3	3	3	3	3
27	3	3	2	2	2	2	3	4	4	4	****	2	2	2	2	3	3	2	2	2	2	1	2	2	2
28	2	1	1	1	1	1	1	2	2	2	2	2	3	2	2	3	4	3	3	3	4	2	2	2	2
29	2	2	1	1	1	1	2	2	4	4	3	4	6	4	5	8	5	4	4	3	2	2	2	2	3
30	2	2	1	1	1	1	1	2	2	2	2	2	3	3	2	3	4	3	4	4	4	3	4	5	3
31	5	4	2	3	2	2	2	2	2	2	3	3	5	4	4	5	4	4	4	4	5	4	3	4	3
MEAN	3	3	2	2	2	2	3	3	3	3	3	3	3	3	4	4	5	4	4	3	3	3	3	3	3.3

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE				UNITS - PARTS/MILLION	
STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	3.1	5	12	
FEB	28	3.4	5	12	
MAR	31	3.6	5	12	
APR	30	3.0	5	11	
MAY	31	3.6	6	11	
JUN	30	3.1	6	18	
JUL	31	3.2	5	12	
AUG	31	3.8	6	14	
SEP	30	3.8	10	29	
OCT	30	4.1	6	12	
NOV	30	4.4	9	16	
DEC	31	3.3	5	10	
YEAR	364	3.5	10	29	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO

MONTH	00 TO 01	02 TO 03	04 TO 05	06 TO 07	08 TO 09	10 TO 11	12 TO 13	14 TO 15	16 TO 17	18 TO 19	20 TO 21	22 TO 23	24 TO 25	26 TO 27	28 TO 29	30 TO 31	OVER	TOTAL
JAN	25	498	211	7	0	0	0	0	0	0	0	0	0	0	0	0	0	741
FEB	12	406	245	7	0	0	0	0	0	0	0	0	0	0	0	0	0	670
MAR	22	394	313	10	0	0	0	0	0	0	0	0	0	0	0	0	0	739
APR	67	433	205	10	0	0	0	0	0	0	0	0	0	0	0	0	0	716
MAY	36	373	326	5	0	0	0	0	0	0	0	0	0	0	0	0	0	740
JUN	94	419	184	14	1	0	0	0	0	0	0	0	0	0	0	0	0	712
JUL	85	405	251	3	0	0	0	0	0	0	0	0	0	0	0	0	0	744
AUG	60	314	352	12	1	0	0	0	0	0	0	0	0	0	0	0	0	739
SEP	58	367	262	18	13	0	0	0	0	0	0	0	0	0	0	0	0	718
OCT	0	326	389	13	0	0	0	0	0	0	0	0	0	0	0	0	0	728
NOV	14	274	391	32	6	0	0	0	0	0	0	0	0	0	0	0	0	717
DEC	40	401	297	2	0	0	0	0	0	0	0	0	0	0	0	0	0	740
YEAR	513	4610	3427	133	21	0	0	0	0	0	0	0	0	0	0	0	0	8704

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
99.4	0	1.2	2.0	2.7	3.6	5.3	6.3	7.8	9.3	29	3.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	0	0	0	1	1	0
2	1	0	0	0	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	1
4	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1
5	0	0	0	0	0	0	1	4	2	2	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1
6	1	1	1	0	0	0	1	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1	1	1	2
7	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1
9	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1
10	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2	1	1	1	1	0	0	0	0	0	1
11	0	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	2
12	1	1	1	1	1	1	1	1	2	2	2	2	1	1	3	4	3	3	2	2	2	2	2	2	2
13	2	2	2	1	1	1	1	3	3	3	3	3	2	3	2	2	2	1	1	1	1	1	1	1	2
14	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
16	1	0	0	0	0	0	0	1	2	2	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1
17	1	1	1	1	1	1	1	3	4	3	3	2	1	1	1	2	2	2	2	1	1	1	1	1	2
18	1	1	1	1	1	1	1	3	4	4	4	4	2	2	3	3	4	4	4	4	3	3	3	3	4
19	2	2	2	2	2	3	7	10	9	7	7	3	3	3	3	3	4	4	4	4	3	3	3	3	4
20	2	2	2	2	2	2	2	3	3	3	3	3	2	2	3	3	3	2	2	2	1	1	1	1	2
21	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	2	2	2	2	3	3	2
22	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	2	2	3	2	2	1	1	1	1	1	1	2	2	2	1	1	1	1
24	1	1	1	1	1	1	2	2	2	3	2	2	1	1	1	2	2	2	2	2	1	1	1	1	2
25	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
26	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0
27	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
30	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
31	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	2	2	2	2	2	2	2	1
2	1	1	1	1	1	1	2	4	5	4	3	3	2	2	2	3	3	3	2	2	2	2	2	2	2
3	2	2	1	1	1	1	3	6	5	5	4	3	2	2	2	3	4	4	3	2	2	2	2	2	3
4	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	0	0	0	0	0	0	1	2	2	2	2	2	1	1	2	2	3	3	2	1	1	0	0	1	1
7	0	1	1	0	0	0	1	2	3	3	2	2	2	2	3	3	3	2	2	2	1	1	1	1	2
8	1	1	1	1	0	0	1	3	4	3	2	2	2	2	2	4	3	4	3	2	3	2	2	2	2
9	1	1	1	1	1	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
10	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	3	2	2	1	1	1	1	1	2	*****
11	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1
13	1	1	0	0	0	0	0	2	1	1	1	1	1	1	1	3	1	1	1	0	0	0	1	1	1
14	0	0	0	0	0	0	1	3	3	3	3	1	1	2	2	1	2	2	2	2	2	1	2	2	1
15	1	1	1	1	1	1	2	3	3	3	2	1	1	1	1	2	2	2	1	1	2	2	2	1	2
16	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1
17	1	1	1	1	0	1	1	1	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
18	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	1
20	1	1	1	1	1	1	1	2	3	3	3	2	1	1	1	1	2	2	2	2	2	3	2	2	2
21	1	1	1	1	0	1	2	3	3	3	2	2	2	2	2	2	2	2	1	2	1	1	1	2	2
22	1	1	1	1	1	1	1	2	2	2	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1
23	1	1	0	1	0	0	1	1	3	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1
25	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	0	1	1	2	2	2	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	2	3	3	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 95.2

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 4.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	1	1	1	2	3	4	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
2	1	1	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	2	1	1	1	1	2	2	3	3	3	2	2	2	1	1	1	1	2
4	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
6	1	1	1	1	1	1	1	2	3	4	3	2	2	2	2	2	2	2	1	1	1	1	1	1	2
7	1	1	0	0	0	0	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	0	1	4	3	1	1	1	1	1	1	2	1	1	0	1	1	1	2	3	1
9	4	5	5	3	3	3	5	12	3	3	2	1	2	2	2	3	3	1	1	1	1	1	2	1	3
10	1	2	1	2	1	2	4	6	5	4	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3
11	4	5	4	2	1	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
12	2	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
13	1	1	2	2	2	2	4	7	6	2	1	2	1	2	2	3	2	2	1	1	1	1	1	1	2
14	1	1	1	1	1	1	2	3	3	3	3	3	1	1	1	2	2	2	1	1	1	1	1	1	2
15	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
16	1	1	1	1	1	1	2	4	3	2	1	1	1	1	2	2	2	2	1	1	1	0	0	1	1
17	0	1	1	0	0	0	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
19	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
20	0	0	0	0	0	0	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	2	2	1	1	1	1	1	*****
22	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
23	1	1	1	1	1	1	2	3	3	2	2	1	1	2	2	1	2	2	2	2	2	1	1	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
28	1	1	1	1	1	1	1	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
29	1	1	1	1	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	4	4	4	4	3	2	2	2	1	1	1	2	1	1	1	1	1	2
31	1	1	1	1	1	1	2	3	2	4	4	3	2	1	2	3	2	1	1	1	1	1	1	1	2
MEAN	1	1	1	1	1	1	2	3	2	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 95.0

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 31105															MONTH - APR 78										
HYDRO SS SHERBOURNE/WILTON ST. TORONTO																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
3	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	2	4	2	2	1	1	1	2	3	4	3	3	1	2	3	2	1	1	2
5	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	1
6	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1
11	0	0	0	0	0	0	1	4	2	2	5	5	5	2	2	1	2	2	2	2	1	1	1	1	2
12	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2	1
13	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	3	2	2	2	1	1	1	1	1	2	1	2	2	2	1	1	1	1
18	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	1
19	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	0	1	1	1	0	1	2	4	3	2	2	2	2	3	3	4	3	2	2	1	1	1	1	1	2
21	1	1	1	0	0	1	1	2	2	1	1	1	1	2	2	2	3	2	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	3	4	5	1
24	4	4	4	2	1	1	2	4	3	1	1	1	1	1	1	2	2	2	1	1	2	2	1	1	2
25	1	1	1	1	1	1	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1
26	2	1	1	1	1	1	2	3	1	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
27	1	1	1	1	1	1	2	3	3	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
28	1	1	1	1	1	1	2	4	4	3	3	3	2	2	2	2	3	2	2	2	2	3	2	2	2
29	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	4	4	3	3	2	***	3	2	2	2	2	1	2	2	2	2	2	2	2
2	2	1	1	1	1	2	3	2	2	2	1	2	2	1	2	2	1	1	1	1	1	1	1	1	
3	1	1	1	1	1	2	4	3	2	2	2	***	1	1	2	2	1	1	1	1	1	2	2	1	
4	1	1	1	1	1	1	4	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
5	0	0	1	1	1	1	2	2	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	
6	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	
7	1	1	1	1	0	1	1	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	1	
8	0	0	0	1	1	1	2	1	1	1	1	***	2	2	3	3	2	1	1	1	1	2	2	1	
9	1	1	1	1	2	3	4	3	3	2	2	1	1	1	1	2	1	1	2	1	1	1	1	1	
10	0	1	0	1	1	1	1	1	1	***	1	1	1	1	1	2	2	1	1	1	1	1	1	1	
11	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	1	1	1	1	2	2	3	2	
12	2	1	1	1	1	2	4	3	3	3	***	2	3	2	1	1	1	1	2	2	1	1	1	1	
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
14	1	1	1	0	1	1	1	0	0	0	0	1	1	1	2	1	1	1	1	1	0	1	0	1	
15	0	0	0	0	0	1	1	2	1	1	1	1	***	1	1	2	1	1	1	2	3	2	1	1	
16	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	2	1	1	0	1	1	1	1	1	
17	1	0	0	0	1	2	2	1	2	2	2	2	2	2	2	2	1	1	1	2	2	4	4	3	
18	1	1	1	1	1	4	7	4	2	2	2	1	1	2	2	2	2	1	1	2	4	4	4	2	
19	3	4	2	1	1	2	6	3	***	3	2	1	1	1	1	2	1	1	1	1	1	1	1	2	
20	3	2	1	2	1	2	2	1	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	
21	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	5	3	
23	2	3	2	1	3	6	2	1	2	***	1	1	1	1	1	1	1	1	1	1	1	1	2	2	
24	2	2	1	1	1	2	4	5	2	2	1	2	2	2	2	2	2	3	2	2	2	3	3	2	
25	3	2	2	2	3	4	7	4	5	4	3	3	3	2	3	3	2	3	3	3	3	3	3	2	
26	2	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	
27	4	4	4	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
28	3	2	1	1	1	2	4	3	2	2	2	2	2	2	3	3	2	2	1	1	1	2	2	1	
29	2	2	2	2	2	2	3	3	2	2	2	1	2	2	2	3	2	1	1	1	1	1	1	1	
30	1	1	1	1	1	4	3	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	
MEAN	1	1	1	1	1	2	3	2	2	2	2	1	2	1	2	2	1	1	1	1	1	2	2	1.5	

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	1	2	2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	2	5	2	2	2	2	1	***	1	2	2	2	1	1	1	1	2	1	1	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1
4	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
6	2	3	2	2	1	2	4	2	1	1	1	1	1	1	2	1	1	1	1	2	1	2	2	1	2
7	1	2	2	1	2	3	5	4	3	3	3	2	2	3	3	3	2	1	2	2	1	2	1	1	2
8	1	2	1	1	1	2	4	2	2	3	3	2	1	1	2	1	1	1	1	1	1	1	1	1	2
9	1	0	0	0	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
10	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	0	0	0	1	1	2	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	2	2	1	1	1	1	***	1	1	2	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	2	2	1	1	2	1	1	2	1	2	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	2	4	3	2	2	1	2	1	2	1	2	1	1	1	1	2	2	1	1	2
17	2	2	1	1	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	2	2	4	3	2	***	1	1	1	1	1	1	1	1	1	1	2	2	3	2
20	3	2	2	2	2	4	5	4	2	3	2	1	1	1	2	2	1	1	1	1	1	2	1	2	2
21	1	2	2	2	2	2	3	2	4	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	1	1
23	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	4	1
25	4	4	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
26	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1
27	1	1	1	1	1	2	2	1	***	2	1	1	2	2	1	2	2	2	1	1	1	1	2	2	1
28	1	1	1	1	1	1	2	2	1	1	1	1	1	2	1	2	1	1	1	1	1	2	2	2	1
29	1	1	1	1	1	1	2	2	1	1	1	***	2	2	2	2	1	2	2	2	2	2	2	2	2
30	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1
MEAN	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	1
2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
4	0	0	0	0	0	1	2	1	1	0	1	1	1	2	1	1	1	1	1	1	1	2	3	2	1
5	4	4	4	3	3	4	5	3	2	2	1	***	1	1	1	1	1	1	1	1	1	1	1	1	2
6	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
7	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
8	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
9	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	0	1	1	1	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	2	2	1	1	1
12	1	1	1	1	1	2	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	1	1
14	1	1	1	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2
15	1	1	1	1	2	2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
16	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1
18	1	1	1	1	1	2	5	4	2	2	1	2	2	1	1	1	1	1	1	1	2	2	2	2	1
19	1	1	1	1	1	1	2	2	2	2	***	1	1	1	1	1	2	3	3	2	3	3	3	2	2
20	1	1	1	1	1	1	2	2	1	1	2	1	1	1	2	1	1	1	1	2	3	3	2	2	1
21	1	1	1	1	1	3	3	2	1	2	1	1	***	3	3	3	2	3	2	1	2	3	2	4	2
22	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	4	3	2	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1
27	0	0	0	0	0	1	2	2	2	2	1	1	1	1	2	2	1	2	3	3	2	2	1	1	1
28	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
30	1	1	1	1	0	0	1	1	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1
31	1	1	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1
MEAN	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1.2

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 31105		HYDRO SS SHERBOURNE/WILTON ST. TORONTO												MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	2	2	3	4	3	2	1	1	1	1	1	2	1	2	1	1	1	2	3	3	3	2
2	3	3	2	2	2	4	5	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2
3	1	1	0	0	1	1	3	3	3	2	2	2	2	2	1	1	2	2	2	1	1	1	1	1	2
4	1	1	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	3	2	1
5	3	3	2	3	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
6	3	2	2	2	3	3	4	3	3	2	2	1	1	1	1	1	1	1	1	1	1	3	4	4	2
7	4	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
8	2	1	1	1	1	2	3	3	3	2	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
9	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	2
10	1	1	1	1	1	1	2	3	2	2	1	1	1	1	2	2	1	1	1	2	2	2	4	5	2
11	4	4	3	2	2	3	5	5	2	2	2	2	1	1	2	2	1	1	1	1	1	3	5	2	2
12	4	5	4	3	2	2	3	3	2	2	2	2	1	1	1	1	1	1	1	2	2	1	2	3	2
13	2	1	1	1	2	2	3	2	2	1	1	1	2	1	1	1	1	1	1	2	2	2	3	2	2
14	4	3	1	1	2	4	6	5	4	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
15	1	1	1	1	1	2	4	3	2	1	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1
18	1	2	2	1	1	2	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
21	2	1	1	1	1	2	4	4	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	4	2
22	5	4	4	3	3	4	6	7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2
23	5	4	2	2	2	4	5	5	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
24	2	2	2	1	1	2	3	3	3	2	2	3	4	4	4	3	1	1	1	1	1	1	1	1	2
25	1	1	1	1	1	3	4	3	2	3	2	2	1	1	2	2	2	2	2	2	2	3	3	3	2
26	2	2	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	3	3	2	2
27	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
28	1	1	1	1	1	2	5	3	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2
29	0	0	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2
30	2	1	1	1	1	4	10	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	2	1	1	1	2	3	5	5	4	2	2	2	2	2	2	3	2	2	2	2	2	4	6	3	3
MEAN	2	2	2	1	1	2	4	3	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 31105		HYDRO SS SHERBOURNE/WILTON ST. TORONTO												MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	1	2	2	4	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2
3	2	2	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
5	2	1	2	1	1	2	4	4	3	3	3	3	3	2	2	2	1	2	1	1	1	1	1	1	2
6	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	1	1	1	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	3	2	1	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
9	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	4	3	3	3	4	7	16	10	3	2	2	1	1	1	2	2	2	2	2	2	2	2	1	1	4
12	1	1	1	0	0	1	3	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	0	0	0	0	1	3	1	1	1	1	1	2	2	2	2	2	1	1	0	0	0	0	0	1
15	0	0	0	0	0	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	0	0	0	0	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
18	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	2	5	4	2	3	2	2	1	1	2	2	2	2	1	1	1	1	1	1	2
20	1	1	1	1	1	2	3	2	2	2	2	1	1	2	2	2	2	2	1	2	3	3	3	3	2
21	2	2	2	3	2	4	14	9	5	3	2	2	2	2	2	3	2	1	1	1	1	1	1	1	3
22	1	1	1	1	1	1	3	4	2	2	1	2	2	2	2	1	1	2	2	2	2	1	1	1	2
23	1	1	1	1	1	1	2	2	2	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1
24	2	4	3	2	1	1	2	2	1	1	1	1	1	1	0	0	1	1	1	2	1	1	1	0	1
25	0	0	0	0	0	1	2	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
26	2	1	1	1	1	3	4	1	1	2	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1
27	1	1	1	1	1	2	3	3	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
28	1	1	1	1	1	4	9	11	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	3
29	3	2	3	3	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
30	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	2	4	3	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1
2	1	1	1	1	1	2	5	5	3	2	2	1	1	1	1	2	1	1	1	1	1	1	2	1	2
3	1	1	1	0	1	2	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1
4	1	0	0	0	0	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	0	1	4	2	1	1	1	1	1	1	1	2	1	1	1	1	0	0	1	1	1
6	0	0	0	0	0	1	2	1	1	0	0	1	***	2	2	2	2	2	2	2	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	2	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1
9	1	1	2	2	2	2	4	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1
10	1	1	1	1	1	2	4	4	3	2	2	1	1	2	2	2	2	2	1	1	2	3	2	2	2
11	1	2	2	4	4	4	7	5	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
12	1	1	1	1	1	1	2	1	1	2	2	1	1	***	2	2	2	1	2	1	1	1	1	1	1
13	1	1	1	1	1	2	4	4	3	2	1	2	2	2	3	3	2	2	2	2	1	1	1	1	2
14	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	1
15	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
16	1	1	1	1	1	2	4	3	1	1	1	1	2	1	3	2	2	1	2	3	4	3	3	2	2
17	3	2	1	1	1	2	6	7	6	5	2	1	2	2	2	2	2	2	1	1	1	1	1	2	2
18	2	2	3	2	1	2	4	4	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
19	1	1	1	1	1	2	2	3	4	2	1	1	2	2	2	3	3	2	2	2	2	1	1	1	2
20	1	1	1	1	1	4	7	7	4	2	2	1	2	1	1	2	1	1	1	1	2	2	2	2	2
21	2	1	2	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	1
23	1	1	0	1	1	1	1	2	2	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1
24	1	1	2	2	2	3	2	2	1	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1
26	1	0	0	1	1	1	3	3	3	2	2	1	2	2	2	2	3	2	2	1	1	1	1	1	2
27	1	1	1	1	1	1	2	3	2	2	2	1	***	1	1	1	2	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
30	0	0	0	0	0	0	1	2	1	1	1	1	1	1	2	3	2	3	3	5	5	1	1	0	1
31	1	0	0	1	1	1	1	3	4	3	2	2	2	2	2	2	3	1	1	1	1	1	1	1	2
MEAN	1	1	1	1	1	1	3	2	2	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION													
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO													MONTH - NOV 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	1	2	4	5	4	1	1	1	1	1	1	2	1	2	1	1	2	2	2	2	
2	1	1	1	1	1	1	2	2	3	2	2	1	1	1	2	1	3	3	2	2	2	2	3	4	2	
3	5	3	3	3	3	4	5	13	11	2	2	1	2	2	3	3	4	2	3	4	5	3	2	2	4	
4	6	5	3	3	3	2	3	2	2	3	2	3	3	3	3	3	3	4	5	3	4	3	7	4	3	
5	3	3	4	6	4	4	3	3	2	2	2	1	2	2	2	2	2	2	2	2	1	1	1	1	2	
6	1	1	1	1	1	1	2	4	4	3	2	2	3	2	2	2	3	3	1	1	1	1	1	1	2	
7	1	1	1	1	1	1	2	3	3	2	2	2	1	1	2	3	4	3	3	2	2	2	2	2	2	
8	2	2	2	1	2	3	6	18	11	4	3	2	1	1	2	3	4	2	1	1	1	2	1	1	3	
9	1	1	1	1	1	1	2	3	2	2	2	1	2	1	2	3	4	2	2	3	4	4	2	3	2	
10	2	3	4	2	1	2	3	7	3	1	1	1	2	2	2	3	2	2	1	1	1	1	1	1	2	
11	1	2	2	2	2	1	1	2	2	2	2	1	1	1	2	2	3	2	2	1	1	1	1	1	2	
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
13	1	1	1	1	1	1	2	4	2	2	1	1	1	2	2	4	3	2	2	2	1	1	1	1	2	
14	1	1	1	1	1	1	1	2	2	2	1	1	1	***	2	2	3	2	2	1	1	1	1	2	1	
15	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	4	3	3	2	2	5	5	4	2	
16	6	4	2	2	1	2	3	6	5	3	2	2	2	1	2	2	3	2	2	2	1	2	1	1	2	
17	1	1	1	1	1	1	2	4	2	2	2	3	2	2	3	5	4	3	1	1	1	1	1	2	2	
18	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	1	2	2	2	1	
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	1	
20	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	
21	1	1	1	1	1	1	2	3	3	3	2	3	2	2	2	4	3	2	2	2	2	4	4	4	2	
22	2	2	1	1	1	1	2	3	2	2	2	2	2	2	2	3	3	2	2	1	1	1	2	2	2	
23	1	1	1	1	1	1	2	5	3	2	2	2	2	2	2	3	4	2	2	2	2	2	2	2	2	
24	1	1	1	1	2	2	3	3	3	3	2	2	2	***	2	2	3	2	2	1	1	1	1	1	2	
25	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	
27	0	0	0	0	0	0	1	2	1	1	1	1	1	1	2	3	2	2	1	1	2	2	1	1	1	
28	1	1	1	1	1	1	1	3	3	3	3	2	2	2	3	3	4	3	2	1	1	1	1	1	2	
29	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
30	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	
MEAN	2	2	1	1	1	1	2	4	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1.9	

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

HOUR DAY	STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - DEC 78										MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	4	2	2	2	2	2	2	2
2	1	1	1	1	1	1	1	2	1	2	1	1	1	1	2	2	2	2	1	2	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
5	1	1	0	0	0	0	1	1	1	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
7	1	1	1	1	1	1	2	3	2	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	1
8	1	2	1	1	1	1	2	2	3	3	....	2	2	3	3	6	5	4	3	2	2	2	2	2	2
9	1	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	3	3	4	4	2	1	1	1	1	2
12	1	1	1	1	1	1	1	2	2	2	1	1	1	2	2	....	3	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
14	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
15	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	3	2	2	2	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2
18	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	5	3	3	2	2	2	2	2	2
19	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
20	2	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	1	1	1	1	2	2	2
21	2	1	1	1	1	1	2	2	1	1	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2
22	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	1	1
24	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	3	2	2	1	1	2	1	1
28	1	1	1	1	1	1	2	3	3	3	2	2	2	2	....	4	5	4	4	3	3	2	2	2	2
29	1	1	1	1	1	1	2	4	4	4	3	3	2	2	3	2	1	1	2	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
31	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	2	2	2	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.3	4	10
FEB	26	1.3	3	6
MAR	29	1.4	3	12
APR	30	1.3	2	5
MAY	31	1.5	3	7
JUN	30	1.4	2	5
JUL	31	1.2	2	5
AUG	31	1.8	3	10
SEP	30	1.5	4	16
OCT	31	1.4	2	7
NOV	30	1.9	4	18
DEC	31	1.4	2	6
YEAR	361	1.5	4	18

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31	OVER	TOTAL
JAN	527	186	24	2	0	0	0	739
FEB	420	207	13	0	0	0	0	640
MAR	475	206	25	1	0	0	0	707
APR	547	149	16	0	0	0	0	712
MAY	426	277	33	0	0	0	0	736
JUN	493	208	14	0	0	0	0	715
JUL	588	139	13	0	0	0	0	740
AUG	334	354	52	1	0	0	0	741
SEP	460	231	17	4	3	0	0	715
OCT	480	231	30	0	0	0	0	741
NOV	348	314	52	3	1	0	0	718
DEC	485	239	17	0	0	0	0	741
YEAR	5583	2741	306	11	4	0	0	8645

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH  
MEAN

98.7

0

0.1

0.4

0.7

1.2

2.0

2.8

3.7

4.4

18

1.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	1	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2
2	1	1	1	1	1	1	2	3	3	2	2	2	1	1	1	1	2	1	2	1	1	1	1	1	1
3	1	1	1	1	1	1	2	2	3	2	2	3	2	2	2	3	5	4	3	2	2	2	2	2	2
4	2	1	1	1	1	2	2	3	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	1	1	1	2	4	7	7	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	1	1	2	3	4	4	3	3	3	3	3	3	2	4	5	3	3	4	3	3	3	3
7	2	2	2	2	2	1	2	3	3	3	3	3	3	3	3	3	4	4	3	3	3	2	2	2	3
8	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	5	5	3	3	2	2	2	2
9	1	1	1	1	1	1	2	3	4	4	3	2	2	2	2	3	4	4	2	2	2	2	2	2	2
10	2	1	1	1	1	1	2	3	4	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2
11	2	2	1	1	1	1	1	2	2	2	1	1	2	2	2	1	2	2	1	1	1	2	2	2	2
12	2	1	1	1	1	1	2	3	3	4	4	3	4	4	4	3	5	6	4	4	3	3	3	3	3
13	2	2	2	2	2	2	3	6	5	4	3	3	3	3	3	3	4	5	3	3	2	2	2	2	3
14	2	2	2	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
15	2	3	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2
16	2	2	1	1	1	1	2	3	4	3	2	2	2	2	1	2	2	2	2	2	2	2	3	4	2
17	3	3	3	2	2	2	3	6	6	4	3	3	3	3	3	3	4	4	3	2	2	2	2	2	3
18	2	2	1	1	1	1	2	4	4	4	3	3	3	3	3	3	5	5	4	3	3	3	3	3	3
19	2	2	2	2	2	2	4	8	15	11	5	4	3	3	3	3	5	6	4	3	3	2	2	2	4
20	2	1	1	1	1	1	2	4	4	3	2	2	3	2	2	3	4	3	2	2	2	2	2	2	2
21	2	2	2	2	1	1	1	2	2	3	3	3	3	3	3	3	4	5	5	5	5	5	3	4	3
22	6	5	6	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
23	2	2	2	2	2	2	2	3	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	3	4	3	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2
25	2	2	2	2	2	2	6	11	9	6	4	4	4	4	4	5	6	7	3	3	2	2	1	1	4
26	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	2	3	2	2	2	2	2	3	3	4	4	3	3	2	2	1	1	2
28	2	2	2	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2
29	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	3	2
30	2	1	2	2	1	1	3	5	5	4	3	3	3	3	3	3	5	5	3	3	2	2	1	2	3
31	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	1	1	1	2	3	4	3	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2.4

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 33002		PHARMACY AND 401, SCARBOROUGH												MONTH - FEB 78										MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	3	5	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
2	2	1	1	1	2	2	3	7	9	4	3	2	3	3	3	2	2	3	3	3	3	3	3	3	3
3	2	2	2	2	2	2	4	8	6	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4
4	2	2	2	2	1	1	2	2	3	3	3	3	3	3	3	3	3	3	4	5	5	4	4	4	3
5	3	3	3	3	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	1	1	1	2	4	5	4	3	3	2	2	2	2	3	3	4	3	2	2	2	2	2
7	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	4	5	4	3	3	2	2	2	2
8	2	1	1	1	1	1	2	4	5	4	3	3	3	3	3	3	5	7	5	5	4	3	3	3	3
9	2	1	1	1	1	2	3	6	6	4	3	3	2	3	3	3	4	4	5	4	3	3	3	3	3
10	2	2	2	2	2	2	4	7	7	5	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
12	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
13	2	2	1	1	1	1	3	5	4	3	3	2	2	3	3	3	4	5	4	3	2	2	2	2	3
14	2	2	2	1	1	2	3	4	6	4	4	3	3	3	3	3	5	6	5	5	3	3	5	3	3
15	3	2	2	2	2	2	3	6	6	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
16	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
17	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
18	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1
19	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
20	1	1	1	1	2	2	5	6	5	3	3	2	1	1	1	1	2	2	3	4	4	4	5	3	3
21	2	2	1	1	1	2	4	6	6	3	2	3	3	2	2	3	4	4	3	2	2	2	2	2	3
22	1	1	1	1	1	1	3	5	4	3	2	2	2	2	2	3	5	4	3	2	2	2	2	2	2
23	1	1	1	1	1	1	2	4	6	3	3	2	2	2	2	2	3	3	2	2	2	2	2	2	2
24	2	2	2	1	1	1	2	2	3	2	2	2	3	3	3	1	2	2	2	2	2	2	2	2	3
25	2	2	2	2	2	2	2	3	2	2	2	2	3	3	2	2	3	4	4	3	3	3	2	2	2
26	3	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
27	2	2	1	1	1	1	2	5	5	4	2	2	3	2	2	2	4	4	3	2	2	2	5	6	3
28	2	1	2	2	1	1	2	5	5	4	2	2	2	2	2	2	2	2	2	2	3	2	2	2	3
MEAN	2	2	2	1	1	1	2	4	4	3	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2.4

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 33002		PHARMACY AND 401, SCARBOROUGH												MONTH - MAR 78										MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	2	2	2	4	6	5	4	3	3	2	3	3	3	4	4	4	3	2	3	2	3	3
2	2	2	1	1	1	1	3	6	5	2	2	2	2	2	2	3	4	3	2	2	3	3	3	3	3
3	2	2	2	1	1	2	3	6	5	4	3	2	2	2	2	2	5	4	3	3	2	2	2	2	3
4	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2
5	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	2	2	1
6	1	1	1	1	1	1	3	7	6	4	3	3	3	3	2	3	4	5	3	3	3	2	2	2	3
7	2	1	1	1	1	1	3	5	5	3	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2
8	2	1	1	1	1	1	3	6	5	3	2	1	1	1	1	1	2	3	5	1	3	5	4	5	7
9	6	4	3	2	2	2	5	10	6	5	2	2	2	2	2	2	2	3	2	2	2	2	2	3	3
10	3	2	2	2	2	2	4	7	5	3	3	3	3	3	3	3	2	2	2	3	5	5	3	3	3
11	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	3
13	2	2	2	2	2	3	7	11	9	4	1	1	2	2	2	2	2	2	3	2	2	1	2	2	2
14	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
15	2	1	1	1	1	1	1	4	4	3	3	3	3	3	3	3	4	5	4	3	3	3	3	3	3
16	2	2	1	1	1	2	4	6	5	3	1	1	1	1	1	1	2	2	2	2	2	3	3	2	2
17	2	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	2	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	2	1	1	1	1	2	6	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
21	2	1	1	1	1	2	2	5	8	9	10	6	4	4	4	4	5	5	3	3	3	3	2	2	4
22	2	1	1	1	1	1	2	2	3	2	2	2	1	1	1	1	2	2	3	3	2	2	2	2	2
23	2	2	1	1	1	1	3	4	3	3	3	2	2	2	2	2	3	3	4	3	3	3	2	2	2
24	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	3	4	4	3	3	3	3	3	3	3	4	5	4	3	3	3	2	3
27	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	2	2	2	3	3	2
28	2	1	1	1	1	1	1	1	3	3	3	2	2	2	2	2	2	3	4	4	3	3	3	3	2
29	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
30	2	2	2	1	1	1	2	5	6	5	3	3	2	2	2	2	4	2	2	2	2	2	2	2	2
31	2	2	2	2	2	2	3	3	1	1	2	1	1	2	1	2	2	2	2	1	1	1	1	1	2
MEAN	2	2	2	1	1	1	3	4	4	3	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
4	1	1	1	1	1	1	1	3	4	2	2	1	1	1	3	3	3	2	2	2	4	3	2	1	2
5	1	1	1	1	1	1	2	4	3	2	2	2	2	2	2	3	4	4	3	4	4	3	4	3	3
6	3	3	2	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2
8	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2
10	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	3	2	4	4	4	5	6	3	2	1	1	1	1	2	2	2	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	4	4	1	2
13	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2
14	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2
15	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	2	2	2	2	2
17	1	1	1	1	1	1	4	5	4	2	2	2	2	2	1	1	2	2	2	3	3	2	2	3	2
18	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1
20	1	1	1	1	1	1	2	4	4	3	2	2	3	3	3	3	4	5	5	3	2	2	2	2	3
21	1	1	1	1	1	1	2	3	3	2	2	2	2	2	3	3	4	4	3	3	3	3	3	2	2
22	2	2	2	2	1	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	2
23	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	5	5	5	3
24	3	2	2	2	2	2	3	5	5	2	2	2	2	2	3	3	4	4	3	3	3	2	3	3	3
25	2	2	2	1	1	2	3	5	4	3	1	1	1	1	1	2	2	2	2	2	3	4	4	3	2
26	2	2	1	1	1	2	3	4	4	2	2	1	1	1	1	1	2	2	2	3	3	2	2	2	3
27	2	2	2	1	1	2	3	4	4	3	3	2	2	2	3	3	4	5	3	3	3	3	3	3	2
28	2	1	1	1	1	2	3	4	4	3	2	2	2	3	3	3	5	3	4	5	5	4	4	3	3
29	4	4	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3	2	2	2	2	2
MEAN	2	2	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	4	4	4	2	2	3	2	3	****	3	4	3	2	2	2	2	3	3	2	2
2	2	1	1	2	2	4	4	4	3	3	3	3	3	****	3	4	4	3	2	2	2	3	2	2	3
3	2	2	2	2	2	4	5	4	3	3	3	3	3	2	3	4	4	2	2	2	2	3	2	2	3
4	2	2	2	2	2	5	6	2	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	2
5	2	1	1	1	1	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	1	1	1	2
6	1	2	1	2	2	2	3	3	3	2	2	2	2	3	2	3	3	3	6	4	3	2	2	2	3
7	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2
8	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	1	2
9	1	1	1	1	2	3	3	3	3	2	1	1	1	1	2	1	2	1	1	1	1	1	1	1	2
10	1	1	1	1	1	3	4	3	3	2	3	2	3	2	2	4	4	3	2	3	2	2	2	2	2
11	2	2	2	2	2	4	4	2	1	1	1	1	1	1	****	2	2	2	2	2	2	3	3	3	2
12	2	1	1	1	1	2	2	4	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
13	1	2	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	4	2	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
16	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	1	1	2
17	1	1	1	1	1	3	4	5	3	2	1	1	1	1	****	1	1	1	1	1	1	2	3	2	2
18	2	1	1	1	1	2	4	6	5	3	3	2	2	2	3	2	2	2	2	2	4	5	5	3	3
19	2	2	2	2	2	4	4	4	4	2	2	2	2	****	2	2	2	4	3	4	4	4	4	3	3
20	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	1	1	1	2	2
21	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	5	4	2	2
23	1	1	1	1	2	5	6	2	2	1	2	1	1	1	****	2	2	2	2	2	3	2	3	3	2
24	3	2	2	2	3	5	5	5	3	2	1	1	1	1	1	2	1	2	2	2	3	4	5	2	3
25	1	1	1	1	2	4	5	4	3	3	3	2	2	2	3	4	3	3	3	3	3	3	3	2	3
26	2	1	1	1	2	3	5	3	3	3	2	3	3	2	2	2	3	2	3	4	5	6	7	7	3
27	7	6	6	5	3	3	3	2	2	2	1	1	1	1	1	1	1	1	2	2	1	1	3	2	3
28	4	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
29	2	1	1	1	2	4	2	4	2	2	2	2	2	1	1	1	1	1	1	1	2	2	1	2	2
30	2	1	1	1	2	2	2	2	4	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2
31	1	2	1	1	1	2	3	2	1	****	1	1	1	2	2	3	3	2	2	2	1	2	1	1	2
MEAN	2	2	1	1	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	1	1	1	1	3	4	3	***	1	2	1	2	2	2	4	3	3	2	2	2	2	2	1	2
3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1
5	2	1	1	1	1	2	4	3	2	2	2	2	2	2	3	4	3	2	2	2	3	4	3	3	2
6	2	2	2	2	2	2	4	3	2	2	1	1	1	***	1	1	1	2	2	2	2	2	4	3	2
7	2	2	2	2	1	2	3	4	3	3	3	2	2	3	2	3	3	2	2	2	2	3	2	2	2
8	2	1	1	2	2	2	2	3	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	1	2
9	1	1	1	1	1	3	5	3	3	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
10	2	1	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2
11	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
12	1	1	1	1	1	1	2	2	1	1	1	1	2	2	***	2	2	2	2	2	1	1	1	1	1
13	1	1	1	1	1	3	5	3	2	2	2	2	2	2	2	4	3	2	2	2	3	2	2	2	2
14	1	1	1	1	2	3	4	3	2	2	2	2	2	3	2	3	4	3	2	2	2	2	2	2	2
15	2	1	1	1	2	3	5	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
16	3	3	3	2	2	3	2	2	1	1	1	1	1	1	1	1	1	2	1	2	2	3	2	2	2
17	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	4	2	2	2	2	2	3	2	2
19	1	1	1	1	1	3	5	5	3	2	2	2	2	2	2	2	3	4	2	2	2	2	2	2	2
20	3	2	2	1	2	4	7	5	3	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2
21	3	2	2	1	2	2	2	2	5	5	2	2	2	1	***	2	4	4	2	2	2	2	2	2	2
22	2	1	1	1	1	3	4	4	2	1	2	2	2	2	3	3	3	2	2	2	2	3	3	1	2
23	1	1	1	1	1	3	4	3	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2
24	2	1	1	1	1	2	2	2	2	1	2	1	1	1	1	1	1	1	1	2	3	2	5	6	2
25	6	5	4	4	4	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	2	3	1	1	1	1	1	2	3	4	2	2	1	1	1	1	1	2
28	1	0	0	0	1	3	4	3	2	2	2	2	2	2	2	***	4	3	2	3	3	3	2	2	2
29	2	1	1	1	1	4	5	4	3	3	2	2	2	3	3	5	3	3	2	2	3	2	2	2	3
30	2	1	1	1	1	2	5	3	3	2	***	3	2	3	4	3	2	2	2	2	2	2	2	2	2
MEAN	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2
2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	3	1
5	2	1	1	1	2	4	6	4	3	2	2	2	2	1	1	1	1	1	1	1	2	2	1	1	2
6	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
9	2	2	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	2	2	2	2	1	1
10	1	1	1	1	1	3	4	3	3	2	2	2	2	2	3	***	3	3	2	2	2	2	2	2	2
11	2	2	1	2	2	3	5	4	3	3	3	3	3	***	2	3	3	3	3	2	3	3	2	2	3
12	1	1	1	1	1	2	4	3	3	2	2	1	1	1	1	1	1	1	1	1	2	3	2	2	2
13	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14																									
15																									
16																									
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	2	1	1	1	1	4	5	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1	2
19	1	1	1	1	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
20	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	3	2	2	2
21	1	1	1	1	1	3	4	4	2	2	1	1	1	1	1	1	1	1	2	3	3	2	2	2	2
22	1	2	2	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1
23	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1
24	1	0	0	0	1	3	5	3	1	1	0	0	0	***	1	1	1	1	1	1	1	2	1	1	1
25	2	2	2	1	2	3	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1
26	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
27	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	3	2	2	2	1	1	1
28	1	1	1	1	1	3	4	3	3	2	3	***	2	3	3	3	3	2	2	1	2	1	1	3	2
29	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	4	3	2	1
31	1	1	1	1	1	2	4	2	1	1	1	1	0	0	1	1	1	1	1	1	1	2	3	2	1
MEAN	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 86.0 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 12.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH												MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	3	4	3	1	1	1	1	1	1	1	1	2	1	1	2	3	3	2	2
2	2	2	2	1	2	3	4	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2
3	1	1	1	1	1	2	4	4	3	3	3	4	3	3	***	3	4	4	3	2	2	2	2	3	2
4	1	1	1	1	1	2	5	4	3	3	3	2	2	1	1	1	1	1	1	2	4	3	3	3	2
5	3	3	3	2	2	3	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2
6	3	3	3	2	2	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	2	3	5	4	2
7	3	3	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	4	3	2
8	2	2	2	2	2	2	3	3	3	2	1	***	1	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	1	1	1	2	2	1	1	2	2	3	4	2	3	3	2	2	2	2	2	1	2
10	1	1	1	1	1	4	5	3	2	1	1	1	***	1	1	1	1	1	1	2	2	3	4	3	2
11	2	2	2	2	2	5	6	2	1	1	1	1	1	1	1	1	1	1	1	1	2	4	5	4	2
12	4	3	2	2	2	3	3	3	2	2	2	1	1	1	1	1	1	1	1	2	3	2	2	3	2
13	3	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	4	3	2
14	3	2	1	1	1	2	5	6	3	2	2	1	1	***	1	2	2	2	2	2	2	3	3	5	2
15	4	2	2	2	2	2	3	3	2	2	2	2	1	2	2	2	2	3	4	3	4	3	2	1	2
16	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	1	1	1	2
17	1	1	1	1	1	1	2	3	3	3	3	2	2	***	2	3	3	2	2	2	2	2	2	2	2
18	1	2	1	1	1	3	6	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
21	0	0	0	0	1	2	5	4	2	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***
22												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	
23												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	
24												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	
25												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	
26												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	
27												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	
28												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	
29												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	
30												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	
31												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	
MEAN	2	2	2	1	1	2	3	3	2	2	2	1	1	1	1	1	2	2	2	2	2	2	3	2	1.9

PERCENTAGE OF DATA VALID - 65.3 PERCENTAGE OF DATA INVALID - 34.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH												MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
2													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
3													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
4													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
5													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
6													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
7													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
8													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
9													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
10													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
11													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
12													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
13													- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -	- DATA INVALID -
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2	2	1	1	1	1	1	1	1	.....
15	1	1	1	1	1	3	2	2	1	2	1	1	1	1	.....	2	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	2	2	2	1	1
18	1	1	1	1	1	2	5	3	2	3	2	1	2	2	3	5	2	1	1	1	1	1	1	1	2
19	1	1	1	1	1	2	6	5	3	1	1	1	1	2	3	.....	2	2	1	2	2	1	1	1	2
20	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	3	2	2	2	3	2
21	3	4	4	3	2	2	4	10	5	3	3	3	3	2	3	3	3	3	3	2	2	2	2	1	3
22	1	1	1	1	1	2	4	4	3	2	2	2	2	2	3	4	5	3	3	4	2	2	2	2	2
23	2	1	1	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	5	6	2
24	5	4	3	1	2	2	2	2	2	1	1	1	1	1	1	1	2	1	1	2	2	2	2	1	2
25	1	1	1	1	1	2	4	4	2	2	2	2	2	2	.....	3	4	2	2	2	2	2	2	2	2
26	1	1	1	1	1	2	3	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	0	0	0	1	2	4	4	3	2	2	2	2	2	3	4	4	3	3	2	1	1	1	1	1
29	2	2	1	2	2	6	12	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
30	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
MEAN	2	2	1	1	1	2	4	4	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 54.4 PERCENTAGE OF DATA INVALID - 45.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 33002		PHARMACY AND 401, SCARBOROUGH												MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	1	2	2	2	3	2	2	2	1	1
2	1	1	1	1	2	5	8	6	2	2	2	2	2	1	1	1	1	2	2	2	3	3	4	2	2
3	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	2	3	3	2	1	2	1	1	1	1	1	2	2	2	2	3	3	2	2	2
5	2	2	1	1	1	2	5	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1
7	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
8	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
9	2	2	2	2	2	3	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
10	1	1	1	1	1	2	3	4	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	1	2
11	2	2	3	2	2	3	5	5	4	3	2	2	2	1	1	1	2	2	3	2	2	1	1	1	2
12	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	4	3	2	1	2	2	2	2	2
13	2	1	1	1	1	4	6	4	3	3	3	3	3	3	3	4	4	3	2	2	1	2	1	3	3
14	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	3	2	2
15	3	1	1	1	1	1	2	2	2	1	1	2	2	1	1	1	1	1	2	2	3	2	2	1	2
16	1	1	1	1	1	3	5	4	2	2	2	2	1	1	1	1	1	2	2	5	4	4	3	2	3
17	1	1	1	1	1	4	9	9	3	1	2	2	2	2	2	2	2	2	4	3	2	2	2	3	3
18	4	3	3	2	2	2	4	5	4	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2
19	1	1	1	1	1	3	7	6	3	2	1	2	2	1	2	2	4	5	4	2	3	2	1	1	2
20	1	1	1	1	1	5	7	5	3	3	1	1	1	1	1	2	2	3	3	2	2	1	1	1	2
21	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	2	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1
23	1	1	1	1	1	2	4	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	1	2	2
24	2	2	2	2	2	3	7	9	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	2	4	4	3	3	3	3	3	3	3	4	5	4	3	3	2	1	1	1	3
27	1	1	1	1	1	2	2	2	1	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2
28	1	1	1	1	1	1	3	3	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	1
29	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	3	5	7	3	1	2
30	3	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	3	5	7	3	1	1	2
31	1	1	1	1	1	1	2	4	5	3	4	3	3	2	3	3	4	4	2	2	2	2	2	2	2
MEAN	1	1	1	1	1	2	3	3	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	1	1.8

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 33002													PHARMACY AND 401, SCARBOROUGH												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	4	7	7	2	1	1	1	1	1	2	3	3	2	2	3	2	2	2	2
2	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1	2	2	2	2	2	3	3	4	4	2
3	4	4	3	2	2	2	7	13	12	3	1	1	2	2	2	2	2	2	3	7	6	3	4	4	2
4	4	4	4	5	4	3	4	4	5	4	3	3	3	3	3	3	4	8	8	7	8	7	6	5	4
5	5	5	5	3	2	2	2	2	2	2	2	2	2	3	3	3	3	4	2	2	1	1	1	1	2
6	1	1	1	1	1	1	3	4	4	2	2	2	2	2	2	3	5	6	4	2	2	2	2	2	2
7	1	1	1	0	1	1	3	4	4	2	2	2	2	2	2	3	5	6	4	2	2	2	2	2	2
8	1	1	1	1	1	2	6	14	10	5	2	1	1	1	1	1	2	2	1	1	1	1	1	1	2
9	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	4	3	4	4	5	3	2	2
10	2	2	2	2	1	1	5	6	3	1	1	1	1	1	1	1	2	1	1	1	1	2	3	4	2
11	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	2	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	1	1
13	1	1	1	1	1	1	3	5	4	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	2
14	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	3	3	2	2	1	1	1	1	1
15	1	1	1	1	1	1	1	2	2	3	2	2	2	1	2	3	4	5	4	5	4	5	7	3	3
16	5	3	1	1	1	1	4	11	8	3	1	1	1	1	1	1	2	2	5	4	4	1	1	1	3
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	1	1	1	1	1	1	2	4	4	2	2	2	2	2	2	3	4	4	3	2	2	2	2	2	2
21	1	1	1	1	1	1	3	5	4	3	2	2	1	1	1	1	1	2	2	4	3	3	2	2	2
22	2	1	1	1	1	2	4	6	6	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
23	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1
24	1	1	1	1	1	2	2	5	6	3	3	3	3	3	3	4	5	4	3	3	2	2	2	2	3
25	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2
26	2	2	1	1	1	1	1	3	4	5	4	3	2	2	2	3	3	3	2	2	1	1	1	1	2
27	1	1	1	1	1	1	1	3	5	5	4	3	3	2	2	2	3	3	2	1	1	1	1	1	2
28	1	1	1	1	1	1	1	3	5	5	4	3	3	2	2	2	3	3	2	1	1	1	1	1	2
29	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	3	2	1	1	1	1	1	1	2
MEAN	2	2	1	1	1	1	2	4	4	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	3	2	2	2	2	2	2	3	4	2	3	2	2	2	2	2	2	2
2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
3	2	2	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
6	1	1	1	1	1	2	3	3	2	1	2	2	2	2	1	2	2	2	2	3	2	2	2	1	2
7	1	1	1	1	1	2	2	3	4	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	2	3	2	2	2	5	6	6	4	3	3	2	2	4	5	5	5	2	2	2	1	1	1	3
9	2	2	1	1	1	1	2	2	3	3	3	3	3	2	2	2	2	2	1	1	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	0	0	0	0	1
11	1	1	1	1	1	1	2	3	3	3	2	2	2	2	***	2	2	5	3	3	2	2	1	1	2
12	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
14	1	1	1	1	1	1	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
16	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1
17	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	1	1	2
18	1	1	1	1	1	1	2	5	6	3	3	3	2	2	2	2	2	2	2	2	2	2	1	1	1
19	2	1	1	1	1	1	5	4	3	2	3	2	2	3	3	4	6	5	4	3	2	2	2	2	2
20	2	1	1	1	1	1	3	4	4	3	3	1	2	2	2	3	2	2	1	1	2	2	2	2	2
21	2	1	1	1	1	1	2	2	3	2	2	2	2	3	3	4	6	5	4	3	2	2	2	2	2
22	1	1	1	1	1	1	1	2	2	3	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1
24	8	7	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	2	1	2
26	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	3	3	2	2	2	3	3	2	3	2	2	2	2	2	2	2	2	2
28	3	2	1	1	1	2	2	4	4	3	3	2	3	3	3	4	5	6	4	4	3	3	3	3	3
29	2	2	2	1	1	2	3	6	5	4	3	2	1	3	2	2	3	3	3	3	2	2	2	2	3
30	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	3	3	2	3	2	3	2
31	3	4	3	2	2	3	3	2	2	4	4	3	2	2	2	2	2	2	2	2	2	2	1	1	2
MEAN	2	2	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - CARBON MONOXIDE

## UNITS - PARTS/MILLION

## STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.4	4	15
FEB	28	2.4	3	9
MAR	31	2.2	4	11
APR	30	2.0	3	6
MAY	31	2.0	3	7
JUN	30	1.9	3	7
JUL	26	1.5	3	6
AUG	20	1.9	3	6
SEP	16	1.8	3	12
OCT	31	1.8	3	9
NOV	30	2.1	5	14
DEC	31	1.8	3	8
YEAR	335	2.0	5	15



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	134	514	88	3	1	0	740
FEB	142	436	89	1	0	0	668
MAR	218	438	77	5	0	0	738
APR	250	413	55	0	0	0	718
MAY	270	398	69	0	0	0	737
JUN	271	396	47	0	0	0	714
JUL	397	227	16	0	0	0	640
AUG	225	222	39	0	0	0	486
SEP	194	169	27	2	0	0	392
OCT	368	317	52	3	0	0	740
NOV	332	292	87	4	1	0	716
DEC	378	315	50	0	0	0	743
YEAR	3179	4137	696	18	2	0	8032

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.7	0	0.2	0.8	1.3	1.8	2.9	3.8	4.8	5.7	15	2.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
2	1	1	1	1	1	1	2	3	4	3	3	2	2	2	2	2	2	2	2	2	2	2	1	2	2
3	1	1	1	1	1	1	2	4	5	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2
4	2	1	1	1	1	1	2	4	4	2	2	2	2	3	2	3	4	3	3	3	3	2	3	2	2
5	2	2	1	1	1	1	4	7	6	5	4	4	4	2	2	2	3	3	3	3	4	3	3	2	3
6	2	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	3	2	2	2	2	2	2	2	2
7	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	4	6	4	4	3	2	2	3	3
8	2	1	2	1	1	1	1	4	2	2	1	1	2	2	1	1	3	2	2	1	1	1	1	1	1
9	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
10	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	3	3	2	2	2	2	2	2	2
12	1	1	1	1	1	1	3	4	5	4	4	2	2	2	2	2	3	3	2	2	2	2	1	2	2
13	1	1	1	1	1	1	2	3	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2	1	2	2
15	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
16	2	1	1	1	1	1	2	4	5	4	3	2	2	2	2	2	4	4	3	3	3	3	5	3	3
17	4	3	3	2	1	2	2	3	4	3	2	1	1	2	1	1	2	2	1	1	1	1	1	1	2
18	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	4	5	5	5	5	3	2	4	3	4
19	3	3	3	2	2	2	4	5	8	9	8	5	4	3	2	2	4	3	3	3	2	2	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
21	1	1	1	1	1	1	1	2	2	3	3	3	3	3	2	2	3	3	3	3	3	2	2	2	3
22	5	5	5	4	3	2	2	3	3	3	3	3	3	3	3	3	4	4	4	3	3	2	2	2	3
23	2	2	2	2	2	2	3	5	5	4	3	3	3	3	3	3	4	4	4	3	3	2	2	3	3
24	2	2	1	1	1	2	3	9	5	4	3	3	3	3	3	3	4	4	3	3	2	2	2	3	3
25	3	2	3	3	3	3	7	11	7	5	4	3	3	3	3	3	4	4	3	3	2	2	2	2	4
26	1	2	2	2	2	1	2	2	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2
27	1	1	1	1	1	1	2	3	3	1	1	2	2	1	1	1	2	2	4	3	2	2	1	1	2
28	2	1	1	1	1	1	1	1	1	2	4	4	4	4	3	3	3	2	3	4	3	2	2	2	2
29	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2
30	2	1	1	1	1	1	2	5	6	4	3	2	3	2	2	2	2	4	5	5	4	3	2	2	3
31	1	1	1	1	1	1	1	3	4	2	2	2	3	3	2	3	3	4	3	3	2	2	2	2	2
MEAN	2	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	4	3	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2
2	2	1	1	1	1	2	3	7	3	2	1	2	2	3	3	3	4	5	5	5	5	3	3	3	3
3	2	2	1	1	1	1	3	7	8	5	4	3	2	3	3	4	6	6	5	4	4	3	3	3	4
4	2	2	1	1	2	1	2	3	3	4	4	3	2	2	2	2	2	2	3	4	4	2	3	3	2
5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
6	1	1	1	1	1	1	1	2	3	2	1	2	2	2	2	3	6	4	4	4	1	1	1	1	2
7	1	1	1	1	1	1	1	2	3	2	3	3	3	3	3	4	5	5	4	4	4	3	3	1	3
8	1	1	1	1	1	1	4	8	7	3	3	4	3	3	3	4	7	7	6	5	4	3	3	3	4
9	2	2	1	1	1	2	3	9	7	3	3	3	3	3	3	3	4	5	6	6	3	3	3	3	3
10	2	2	1	1	2	2	3	5	6	4	3	2	2	3	2	3	3	4	3	3	3	2	2	2	3
11	3	3	2	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
12	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
13	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1
14	1	1	1	1	1	1	3	5	4	3	2	3	3	3	2	3	4	5	4	5	5	4	4	3	2
15	3	2	2	2	2	3	9	11	7	5	4	3	3	3	3	3	4	4	4	4	4	4	5	5	4
16	2	2	2	2	2	2	5	6	5	4	4	4	3	3	3	3	4	4	4	4	4	4	5	5	4
17	2	2	1	1	1	1	3	4	4	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
18	4	4	3	2	2	2	3	3	3	4	3	2	2	2	2	3	3	3	4	4	4	4	4	5	3
19	3	4	3	2	1	2	2	2	2	2	2	2	2	2	2	2	3	3	4	3	3	2	2	3	3
20	3	3	2	2	3	3	7	11	8	6	4	4	3	3	3	2	3	4	4	3	3	5	5	5	4
21	3	2	2	1	1	2	5	6	5	3	2	3	3	2	3	4	5	4	4	3	2	2	2	2	3
22	1	1	1	1	1	1	3	5	4	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	3
23	2	1	1	1	1	2	3	5	6	4	4	3	2	2	2	3	3	3	3	3	3	2	3	3	3
24	2	2	2	2	1	1	3	5	4	3	2	2	2	2	2	3	3	4	4	3	2	2	2	2	3
25	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	4	4	3	2	2	2	3	2
26	2	2	2	1	1	1	1	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	1	1	1	1	1	3	5	5	3	3	2	2	2	2	2	5	4	3	2	2	2	2	2	2
28	2	2	2	1	1	2	4	7	7	5	4	3	3	2	2	2	1	1	2	3	2	2	3	5	3
MEAN	2	2	1	1	1	2	3	5	4	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	2.6

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	3	1	1	2	3	4	3	3	3	2	2	2	3	3	5	4	3	3	2	2	1	2	3
2	1	1	1	1	1	1	2	5	6	3	2	1	2	1	2	2	4	4	4	4	3	3	3	2	2
3	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	5	3	2	2	2	2
4	1	1	1	1	0	0	1	1	1	1	2	2	2	2	2	2	1	1	2	2	2	1	2	2	1
5	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	2	2	1
6	1	1	1	1	1	1	4	9	7	4	2	1	1	2	2	3	4	4	4	3	1	2	2	2	1
7	2	1	1	1	1	1	3	7	6	3	2	2	2	3	3	3	4	4	4	3	2	3	2	3	3
8	1	1	1	1	1	1	2	5	2	1	0	0	1	1	1	1	1	1	1	1	2	1	2	3	2
9	9	6	6	3	3	3	4	11	10	5	3	3	3	3	3	4	4	4	4	3	3	3	4	6	9
10	3	3	3	2	2	3	4	4	3	2	1	1	2	1	1	1	1	3	4	7	6	4	3	4	3
11	4	4	3	3	2	2	3	4	4	3	2	2	3	2	2	3	3	3	2	3	3	3	3	3	3
12	3	3	3	2	2	1	3	2	2	1	2	2	2	2	2	1	1	1	2	2	2	2	2	1	2
13	1	1	1	1	1	3	7	9	9	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
14	1	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	3	3	2	2	2	2	2	2	2
15	1	1	1	1	1	1	1	2	3	2	1	1	2	2	2	2	4	4	4	4	2	2	2	2	2
16	1	1	1	1	0	0	1	2	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
17	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	2	2	1
18	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	1	2	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	2	5	7	8	7	7	7	4	4	4	5	6	4	3	3	3	3	2	1	4
22	1	1	1	1	1	1	3	4	3	2	2	2	2	2	2	1	3	4	4	3	3	3	3	3	2
23	1	1	1	1	1	1	4	4	3	2	2	2	2	2	2	2	2	2	3	3	3	4	2	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	3	2	2	2	3	4	4	3	4	4	3	3	2	2	2	3	2	2
28	1	1	1	1	1	1	3	4	3	2	2	2	2	3	2	3	4	4	3	3	3	3	5	3	3
29	3	2	1	1	1	1	2	3	2	1	2	2	1	1	1	2	3	3	2	2	2	2	2	2	2
30	1	1	1	1	1	2	5	5	4	3	4	3	2	2	2	2	3	3	3	4	2	2	2	2	3
31	2	2	1	1	2	2	5	3	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
MEAN	2	2	1	1	1	1	2	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 33003		LAWRENCE/KENNEDY SCARBOROUGH												MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	1	1	1	1	1	0	0	0	0	1	1
2	1	1	0	0	0	0	0	0	1	1	1	0	1	1	0	1	1	1	2	2	1	1	1	1	1
3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
4	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	1	1	4	4	1	1	1
5	1	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1	1	3	2	3	5	5	4	6	2
6	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
7	1	1	1	1	1	1	2	4	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1
8	1	1	1	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	1
9	1	1	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	2	2	2	4	5	6	2	2	2	3	2	2	2	2	2	2	1	2
12	1	1	1	1	1	1	3	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20	-	-	-	-	-	-	-	-	-	-	-	-	3	4	4	5	7	4	4	2	2	2	2	2	2
21	1	1	1	1	1	1	3	5	3	2	2	2	2	3	3	3	5	3	3	3	2	2	2	2	2
22	2	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	3	2
23	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	6	5	4	2
24	2	2	2	1	1	1	1	2	1	1	1	1	2	1	1	1	2	4	2	4	3	3	3	2	1
25	1	1	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	2	3	3	3	1
26	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	3	3	3	3	1
27	1	1	1	0	0	1	1	1	1	0	0	0	1	1	1	1	2	3	3	4	5	5	3	3	2
28	1	1	1	1	1	1	3	5	3	2	1	1	1	1	2	2	2	2	2	2	1	1	1	1	2
29	3	3	2	1	1	1	1	1	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	0	1
30	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 72.9

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 26.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 33003		LAWRENCE/KENNEDY SCARBOROUGH												MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	2	5	2	1	1	1	1	1	1	1	3	2	2	2	2	2	1	2	1	1
2	1	1	1	1	1	3	7	4	2	2	2	2	2	2	2	5	3	2	2	2	2	1	1	1	2
3	1	0	0	1	1	2	2	2	1	1	1	1	1	2	2	4	3	2	3	3	2	2	3	1	2
4	1	0	0	0	1	2	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1
5	1	1	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1
6	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	4	4	6	5	2	2	3	2	2
7	2	1	1	1	1	1	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1
9	1	1	1	1	1	2	5	4	3	2	1	1	1	1	1	3	4	2	1	1	1	1	1	1	2
10	1	1	1	1	1	2	5	3	2	1	1	1	1	1	1	2	3	2	2	2	2	3	3	2	2
11	2	2	1	1	1	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
12	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	3	3	2	2	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	0	0	1	2	1	1	1	1	2	2	3	2	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2
18	1	1	1	1	2	4	6	2	1	1	2	2	3	4	4	6	5	3	4	5	6	6	4	3	2
19	3	3	2	2	4	7	6	6	5	3	3	2	2	2	2	3	4	5	5	6	5	6	5	2	4
20	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	1	2	2	1	2	2	1	2	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	2	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	4	5	2	1	2
23	1	1	1	1	2	4	2	1	1	0	0	0	0	1	1	1	1	1	1	2	3	2	3	3	2
24	3	2	2	2	2	3	3	2	1	1	1	1	1	1	1	1	1	2	4	5	6	4	2	1	2
25	1	1	1	1	2	5	6	3	2	2	2	2	1	2	4	5	4	5	4	4	3	2	2	1	3
26	1	1	1	1	2	5	5	3	2	2	2	2	2	2	4	4	2	3	5	5	6	7	6	3	2
27	5	4	5	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2
28	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1
29	0	1	1	2	4	4	4	3	3	2	2	1	1	2	2	1	1	1	2	1	2	1	1	1	2
30	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	1	1	1	1
31	1	1	1	3	5	*****	2	1	2	1	1	1	1	2	2	1	1	1	1	1	1	0	0	0	1
MEAN	1	1	1	1	2	2	3	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1.6

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	4	4	3	2	3	3	4	5	4	4	5	3	3	3	2	2	2	3
2	1	1	1	1	1	1	1	2	3	3	2	2	2	2	4	3	4	3	2	2	1	1	1	1	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
4	2	1	1	1	1	1	2	4	4	2	2	2	2	2	2	2	3	3	2	2	2	1	2	2	2
5	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	3	3	2	3	2	2	2	2	2	2
6	1	1	1	1	1	2	4	5	4	3	2	2	2	2	2	3	4	4	3	2	2	2	2	2	2
7	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	2	3	3	3	2	3	4	6	5	4	3	3	3	3	***	6	6	4	3	4	4	3	2	1	3
9	1	1	1	1	1	1	1	2	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	1	2
10	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	1	1	1	1	1	2	2	5	5	4	3	3	3	3	3	3	4	3	3	3	3	2	2	2	3
12	2	1	1	1	1	1	2	3	3	3	2	2	2	2	2	3	3	2	2	2	1	1	1	1	2
13	1	1	1	1	1	1	2	2	2	2	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1
14	1	1	1	0	0	0	1	3	3	3	2	1	1	1	1	2	2	2	2	2	1	1	1	1	1
15	1	1	1	1	1	1	2	2	2	2	1	1	1	2	2	2	2	3	3	2	2	2	2	2	2
16	2	2	1	1	1	1	2	3	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	1	2
17	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
18	1	1	1	0	1	1	2	4	4	4	4	3	3	3	3	3	4	5	4	4	3	2	2	2	3
19	1	1	1	1	1	1	2	4	4	3	2	3	3	3	2	3	4	4	3	4	2	2	1	1	2
20	1	1	1	1	0	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	2	2	2	1	1	1	1	2	3	2	2	1	2	2	2	2	4	4	3	3	3	3	3	3	2
22	2	2	1	1	1	1	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
23	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	4	6	6	6	6	7	3
24	6	6	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
25	1	1	1	1	1	1	1	1	2	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	2	3	3	3	2	2	4	4	4	4	4	4	4	4	4	3	3	3	3
28	2	1	1	1	1	1	2	4	4	3	3	3	4	4	4	4	6	6	5	4	4	3	3	3	3
29	2	1	1	1	1	1	2	3	2	2	2	2	1	1	1	2	2	2	2	2	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	3	2	2	2	3	3	2
31	4	4	3	2	2	3	2	2	3	2	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - CARBON MONOXIDE

## UNITS - PARTS/MILLION

## STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.2	4	11
FEB	28	2.6	4	11
MAR	31	2.0	5	11
APR	21	1.5	2	7
MAY	31	1.6	4	7
JUN	30	1.7	3	8
JUL	29	1.6	2	6
AUG	30	1.8	3	7
SEP	30	2.0	4	9
OCT	31	2.4	4	9
NOV	30	2.2	6	13
DEC	31	1.9	3	7
YEAR	353	2.0	6	13

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	265	372	100	3	0	0	740
FEB	146	384	131	4	0	0	665
MAR	364	283	86	7	0	0	740
APR	336	158	31	0	0	0	525
MAY	471	193	71	0	0	0	735
JUN	388	274	52	0	0	0	714
JUL	372	317	28	0	0	0	717
AUG	346	303	73	0	0	0	722
SEP	280	365	67	2	0	0	714
OCT	197	424	121	1	0	0	743
NOV	312	284	115	8	0	0	719
DEC	317	354	72	0	0	0	743
YEAR	3794	3711	947	25	0	0	8477

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.8	0	0.2	0.6	1.2	1.9	3.2	3.9	5.0	6.1	13	2.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	1	1	1	1	1	0	0	1	0
28	1	1	1	1	1	1	1	1	1	1	****	0	0	0	0	1	1	1	1	1	1	0	1	1	1
29	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	****	****	****	****	****	****	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	0
31	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	1
MEAN	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 15.2

PERCENTAGE OF DATA INVALID - 84.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ".\*" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	4	4	2	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2
2	2	2	2	2	2	2	3	4	3	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2
3	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2	2	2	2	2	2	3	3	3	3	2
5	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2
6	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3
7	3	3	3	3	3	3	3	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3	3	3	2
8	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
10	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	3	4	2
11	4	4	4	4	3	3	4	4	2	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	2
12	4	4	4	4	3	3	3	3	1	1	1	2	1	1	1	1	2	2	2	2	4	4	4	4	3
13	4	4	4	4	4	3	3	2	2	1	2	2	2	1	1	1	1	1	2	2	3	4	4	3	3
14	3	3	2	2	2	2	4	4	3	3	3	2	2	1	1	1	2	1	1	2	2	3	3	3	2
15	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2
16	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1
18	2	2	2	2	2	2	3	4	3	3	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
21	2	2	2	2	2	2	3	4	3	2	2	1	1	1	2	2	2	2	2	2	2	3	3	3	2
22	4	4	4	4	4	4	5	6	6	3	2	2	2	2	2	2	1	1	1	1	2	3	3	4	3
23	4	4	4	3	3	3	4	5	2	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2
24	2	2	2	2	1	1	2	2	3	3	3	2	3	3	2	1	1	1	1	1	1	1	1	1	2
25	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	3	3	3	3	4	4	4	4	2
26	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	2	2
27	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
29	1	1	1	1	1	1	2	2	3	2	2	2	1	1	1	1	1	1	1	2	2	2	3	3	2
30	3	3	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
31	2	2	2	2	1	1	2	3	3	2	2	2	2	1	1	2	2	2	2	3	3	3	3	4	2
MEAN	2	2	2	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	4	4	3	3	4	4	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	3
2	3	3	3	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
3	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	1	1	1	1	1	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2
5	2	2	2	2	2	2	4	5	3	2	2	2	2	2	1	1	1	1	2	2	2	1	1	1	2
6	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	2	1	1	0	0	1
7	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	3	3	3	1
11	3	2	2	3	3	3	5	6	9	8	3	3	2	2	2	1	1	1	1	2	1	1	1	1	3
12	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
13	1	1	1	1	2	2	3	3	2	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2
14	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
15	1	1	1	1	1	1	2	3	2	1	1	2	2	1	2	2	2	2	2	2	2	2	2	3	1
16	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	1	1	1	1	2	2	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2
20	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
21	2	2	2	2	2	3	4	7	7	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	2
22	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	3	3	3	2	3	2
23	3	3	3	2	2	2	2	3	2	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	2
24	4	5	5	4	4	4	3	3	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	3
25	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	4	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	3	3	3	3	2
29	3	3	3	3	3	3	4	6	7	4	1	2	1	1	1	2	1	1	1	1	1	1	1	1	2
30	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
MEAN	2	2	2	2	2	2	2	3	2	2	2	2	2	1	1	2	1	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
2	2	2	1	1	1	1	2	4	3	2	1	1	1	1	2	2	2	2	2	2	3	3	4	4	2
3	4	4	4	4	3	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	2
4	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	2	1	2	2	2	1
5	2	2	1	1	1	1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2
9	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	3	3	2	2	2	2	3	2	2
11	3	2	2	2	2	3	4	5	9	3	2	2	2	2	1	2	2	3	3	4	3	1	1	1	3
12	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	1	1	1	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2
14	1	2	2	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
16	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
17	DATA INVALID															1	1	2	2	2	2	2	2	2	2
18	DATA INVALID															1	1	2	2	2	2	2	2	2	2
19	1	1	1	1	1	1	2	4	4	2	1	1	1	1	1	2	2	3	2	2	2	2	1	1	2
20	1	1	1	1	1	2	3	5	5	4	3	2	2	2	2	1	1	2	2	1	1	1	1	1	2
21	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	3	1	1
24	3	2	2	2	2	2	3	5	6	3	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2
25	2	2	1	1	1	2	2	2	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
27	1	1	1	1	1	2	2	3	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2
29	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	5	5	3	3
30	5	4	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	5	5	5	5	2	2	3
31	2	2	2	2	2	2	2	3	4	3	3	2	2	1	1	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	1	1	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 93.3

PERCENTAGE OF DATA INVALID - 6.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	4	5	6	3	2	2	****	1	1	2	3	3	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	3	2	2	1	2	2	2	1	2	3	3	2	2	3	4	4	2
3	4	4	4	4	4	4	4	5	8	7	2	2	2	2	***	2	3	4	4	5	5	5	6	7	4
4	5	4	5	4	4	3	3	4	4	3	4	3	3	4	3	4	4	4	5	6	6	6	7	8	4
5	8	8	7	7	6	6	6	6	4	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	4
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	1	2	***	1	1	3	4	3	2	3	3	3	2
8	3	3	3	3	2	2	3	4	7	7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
9	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	3	4	3	4	4	5	5	5	3
10	5	5	4	4	4	4	4	5	4	2	2	2	2	2	***	2	2	2	2	2	2	2	3	3	3
11	4	4	4	4	4	3	3	2	2	2	2	2	2	2	2	4	3	2	2	2	1	1	1	2	3
12	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	2	2	2	2	3	3	2	2	2	1	2	2	2	3	2	2	2	2	2	2	2	2
14	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	***	2	2	1	1	1	1	1	1	1
15	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	2	3	4	4	4	5	6	2	2
16	6	6	6	6	5	4	3	5	6	4	1	1	1	1	1	2	2	3	3	2	2	2	2	2	3
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
18	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
19	1	2	2	2	2	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
20	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	3	3	2	2	****	2	2	2	2	2	2	2	3	3	3	3	2	2
22	2	2	2	2	1	2	2	3	4	1	1	1	2	1	1	2	2	2	2	2	1	2	2	2	2
23	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	3	3	3	3	***	2	2	2	1	2	2	2	2	2	2	2	1	2
25	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
26	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	4	4	3	3	2	2	2	3	3	3	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	****	2	2	1	2	2	2	1	1	1	1	1	1	1	2
30	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	1
MEAN	2	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2.3

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - CARBON MONOXIDE

## UNITS - PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH - DEC 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	1	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	2	2	2
2	1	1	1	2	1	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	1	1	1	1	1	2	3	3	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2
7	2	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	3	3	2	2	2	2	3	3	2	2	2	2	1	1	1	2	2	3	1	2	1	1	1	2
9	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2
12	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
13	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	0	1	1	1	2	2	2	2	2	2
22	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	3	4	4	5	5	2
24	6	7	7	7	4	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	3	3	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2
28	3	3	3	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
29	4	3	2	2	2	2	2	3	4	3	3	2	2	2	2	2	2	3	3	3	3	3	4	4	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	4	4	3	3	3	3	3	3	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	3
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - CARBON MONOXIDE

## UNITS - PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN			DATA UNAVAILABLE	
FEB			DATA UNAVAILABLE	
MAR			DATA UNAVAILABLE	
APR			DATA UNAVAILABLE	
MAY			DATA UNAVAILABLE	
JUN			DATA UNAVAILABLE	
JUL	5	0.6	1	2
AUG	31	1.8	3	6
SEP	30	1.8	3	9
OCT	29	1.7	3	9
NOV	30	2.3	4	8
DEC	31	2.0	3	7
YEAR	156	1.9	4	9

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN		DATA UNAVAILABLE					
FEB		DATA UNAVAILABLE					
MAR		DATA UNAVAILABLE					
APR		DATA UNAVAILABLE					
MAY		DATA UNAVAILABLE					
JUN		DATA UNAVAILABLE					
JUL	109	4	0	0	0	0	113
AUG	348	341	50	0	0	0	739
SEP	282	404	27	1	0	0	714
OCT	304	360	29	1	0	0	694
NOV	130	489	93	0	0	0	712
DEC	120	589	24	0	0	0	733
YEAR	1293	2187	223	2	0	0	3705

## FREQUENCY DISTRIBUTION BY PERCENTILES

FREQUENCY PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
83.9	0	0.2	0.9	1.3	1.7	2.6	3.3	4.2	5.3	9	1.9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	3	4	2	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2
3	2	1	1	1	1	2	2	3	4	3	2	2	2	1	1	2	2	2	4	3	2	2	2	2	2
4	2	2	2	2	2	2	2	5	6	4	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
5	2	2	2	2	1	2	2	3	4	5	4	3	4	4	4	4	6	5	4	4	4	4	4	2	3
6	2	2	2	2	2	2	3	5	5	4	4	3	3	3	4	4	5	5	3	3	3	2	2	2	3
7	2	2	2	1	1	2	2	3	3	3	3	3	3	3	3	4	4	4	4	3	3	2	3	3	3
8	3	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	3	2	2	2	2	2	3
9	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1
10	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
11	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2
12	2	2	2	1	1	1	2	3	4	4	3	3	2	3	3	4	5	5	6	5	4	4	4	4	3
13	3	2	2	2	2	2	4	5	6	5	4	3	3	3	3	3	3	2	2	2	2	2	2	2	3
14	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
15	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	2	2	1	1	1	2
16	2	1	1	1	1	1	2	2	3	3	2	2	2	2	2	2	3	2	2	3	2	3	4	4	2
17	3	2	2	2	2	2	3	3	4	3	3	3	3	3	3	3	4	3	3	2	2	2	2	2	3
18	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	3	5	3	2	2	2	3	4	2
19	3	3	3	2	2	3	4	7	9	10	6	3	2	2	2	2	3	3	3	3	2	2	2	2	3
20	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
21	2	1	1	1	1	1	1	3	2	2	2	2	2	2	2	2	2	3	4	4	4	4	4	3	2
22	4	3	3	3	3	2	2	2	3	2	2	2	2	2	2	2	3	3	3	3	2	2	2	3	3
23	2	2	2	2	2	2	3	5	4	4	3	3	3	3	3	3	4	5	6	5	4	3	3	2	3
24	2	2	2	2	2	2	3	7	6	4	4	4	4	5	5	4	5	6	4	4	3	3	3	3	4
25	3	3	3	2	3	3	4	5	6	5	3	3	4	4	5	5	5	7	5	4	3	3	2	2	4
26	2	2	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
27	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	4	4	2	2	2	2	2	2
31	2	2	2	2	2	2	2	3	4	2	2	2	2	2	2	2	3	3	3	2	2	2	1	1	2
MEAN	2	2	2	2	2	2	2	3	4	3	3	2	2	2	2	3	3	3	3	3	2	2	2	2	2.4

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	3	4	5	5	4	4	3	2	2	2	4	4	3	3	3	2	2	2	3
3	2	2	2	2	2	2	3	5	5	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
4	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
5	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	1	1	1	1	1	2	2	2	2	1	2	2	1	1	2	2	2	1	2	1	1	1	1	1
7	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	3	2	2	2	2	2	2	2
8	2	2	1	2	1	2	2	3	5	3	2	2	2	2	2	2	2	3	4	3	3	4	3	2	2
9	2	2	2	2	2	2	2	3	3	2	2	2	1	1	2	2	2	3	4	3	2	2	3	2	3
10	2	2	2	2	2	2	2	4	4	3	2	2	2	2	2	3	3	5	4	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	2	2	1	2	1	1	2	2	4	3	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
14	2	1	1	1	1	2	2	4	4	3	2	2	2	2	2	2	2	2	3	4	4	5	4	4	3
15	2	3	3	3	2	2	3	6	7	6	4	3	3	3	4	4	4	5	5	5	4	4	3	4	4
16	4	3	3	3	2	2	3	4	4	5	4	3	3	3	4	4	4	4	3	3	3	3	2	2	3
17	2	2	2	2	2	2	2	4	4	4	2	2	2	2	2	2	2	3	4	4	4	4	4	4	3
18	4	4	3	3	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	3	3	3	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2
20	3	3	3	2	2	3	4	5	4	5	6	4	3	3	3	4	4	4	2	3	3	3	3	3	3
21	2	1	1	2	2	2	3	4	4	3	2	2	2	2	2	1	1	2	2	2	1	1	1	1	2
22	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
23	1	1	1	1	1	1	2	3	4	4	3	2	2	1	2	2	2	2	2	2	2	1	1	2	2
24	2	1	2	1	1	1	2	2	2	2	1	1	1	2	2	2	2	3	3	3	2	2	2	2	2
25	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	3	5	5	4	3	2	2	2	2	2	3	5	4	4	4	4	3	6	3
MEAN	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	3	2	2	2	3	4	4	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	3
2	2	2	2	2	2	2	2	4	3	2	2	1	1	1	2	2	2	2	2	2	2	2	2	3	2
3	3	2	2	2	2	2	3	5	5	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	3
4	2	2	2	1	2	2	2	2	2	2	2	2	2	1	2	1	1	1	1	2	2	2	2	2	2
5	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2
6	2	2	2	2	2	2	3	4	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	1	1	1	2	2	3	6	4	3	3	3	3	3	3	3	3	4	4	4	4	5	6	3
9	6	5	4	3	3	4	4	7	7	6	5	4	4	4	4	4	4	5	6	4	3	3	4	4	4
10	4	4	3	2	2	2	3	5	4	3	2	2	2	2	2	2	4	4	6	5	4	5	2	2	3
11	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3
12	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	1	2	2	2	2
13	1	2	2	2	2	3	5	7	8	6	4	3	3	3	3	4	4	4	4	3	2	2	3	3	3
14	2	2	1	1	1	2	3	6	7	6	5	4	4	4	2	2	3	3	3	2	2	3	3	2	2
15	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2
16	1	1	1	1	1	1	1	2	4	3	2	2	2	2	2	2	3	4	4	3	3	2	2	2	2
17	2	1	2	1	1	1	2	4	4	2	2	2	2	2	2	2	3	4	5	5	2	2	2	2	2
18	1	1	1	1	1	1	1	1	1	2	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2
19	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	4	5	5	3	2	2	3	3	3	3	3	4	3	3	2	2	2	2	2
21	2	2	2	2	2	2	4	8	8	7	5	5	4	3	3	3	3	3	2	2	2	2	1	1	3
22	2	1	1	1	1	1	2	2	3	2	2	2	2	2	3	4	5	5	6	4	2	2	2	2	2
23	1	1	1	1	1	1	2	3	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
25	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	1	1	1	1	1	2	2	4	5	3	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2
29	3	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
30	2	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2
31	2	2	2	2	2	2	3	3	4	4	4	3	3	3	3	4	5	5	3	3	3	2	2	2	3
MEAN	2	2	2	1	1	2	2	3	3	3	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2	2	1
3	2	2	2	1	1	1	2	3	3	3	2	2	3	3	3	3	4	3	2	2	2	2	3	2	2
4	2	2	2	2	2	2	2	3	5	6	5	4	2	3	4	4	7	5	5	4	4	3	3	4	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4
6	3	3	3	3	3	3	4	5	4	3	3	3	2	3	3	3	4	3	3	3	3	2	2	3	2
7	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
10	3	2	2	2	2	2	3	4	5	4	3	3	3	3	3	3	4	4	3	3	3	2	2	2	3
11	2	2	2	2	2	2	5	7	9	8	10	8	5	3	2	2	2	2	2	2	2	2	2	2	4
12	2	2	2	2	2	1	2	3	3	2	2	2	3	3	3	4	5	6	4	3	2	2	2	2	3
13	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2
16	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3	3	2	2	3	3
17	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	3	4	5	4	3	3	3	3	3	3
18	3	3	2	2	2	3	5	5	5	4	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
19	2	2	2	2	2	2	3	4	4	4	4	4	3	3	3	3	4	4	3	3	3	3	2	3	3
20	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	2	3
21	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	3	3	2	3	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	3	2
23	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	3	5	5	4	3	3
24	3	3	3	2	2	2	2	3	4	4	3	3	2	2	2	2	2	2	2	2	3	2	2	3	3
25	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	5	5	4	4	4	4	4	3	3
26	3	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	5	4	4	4	3	3	3	3	3
27	3	3	3	2	2	2	2	3	3	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2
28	2	2	2	2	2	2	2	3	3	2	2	2	3	2	2	2	2	2	2	2	3	3	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	3	3	3	3	3	3	2	2	2	2.5

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK												MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	1	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	3	4	6	5	4	3	3	3	3	3	3	4	4	3	3	3	3	3	2	3
5	2	2	2	2	2	3	5	5	4	4	4	4	4	4	4	5	5	4	4	3	3	3	3	4
6	2	2	2	2	2	2	2	3	3	3	4	3	2	2	2	3	4	5	4	5	2	2	2	3
7	2	2	2	2	2	3	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	3	3	3
8	2	2	2	2	2	3	5	5	4	4	4	4	4	5	4	5	6	5	4	4	3	3	3	4
9	2	2	2	2	2	5	6	7	7	5	4	3	3	3	2	2	3	2	2	2	2	2	2	3
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2
11	3	3	3	3	3	5	6	6	5	4	3	3	3	4	4	5	6	5	4	4	4	4	4	5
12	4	4	3	2	2	4	6	7	7	5	5	5	5	5	5	5	5	4	4	3	3	2	2	4
13	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3	2	3
14	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	3	4	3	3	3	2	3	3	3	4	4	4	3	3	3	2	3	2
16	2	2	2	2	2	3	5	5	4	3	3	3	4	3	4	4	4	4	3	3	4	2	2	3
17	2	2	2	2	2	2	4	6	5	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3
18	2	2	2	2	2	3	4	3	3	3	2	3	5	4	5	5	6	4	5	6	6	5	3	4
19	3	4	3	2	2	5	7	6	5	3	4	5	4	4	5	3	3	2	2	3	4	6	5	4
20	3	2	2	2	2	2	2	2	3	3	4	4	4	3	3	2	2	3	3	3	3	3	3	2
21	2	1	1	1	1	1	1	1	2	2	1	1	2	2	2	1	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	3	3
23	2	2	2	2	2	4	5	5	4	3	3	3	4	4	4	5	7	6	5	5	3	3	4	4
24	3	3	3	2	3	4	6	6	4	4	4	3	3	3	3	4	6	4	4	4	4	3	2	4
25	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2
26	2	2	2	2	2	3	4	3	2	2	2	3	2	2	2	5	7	6	5	5	6	7	7	4
27	8	8	7	7	6	4	4	4	5	4	4	4	4	4	4	3	3	4	5	5	5	5	5	5
28	5	4	4	4	4	5	4	3	3	3	3	3	3	3	3	3	3	3	4	4	5	5	4	4
29	4	3	3	3	3	4	6	7	5	5	5	5	4	4	4	5	5	5	4	5	5	5	4	4
30	4	4	3	2	2	4	5	5	5	6	5	5	4	5	4	5	6	5	5	5	5	5	4	4
31	4	4	3	2	2	4	5	4	3	3	3	4	2	1	2	2	2	2	2	2	2	2	2	3
MEAN	3	3	2	2	2	3	4	4	4	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3.1

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 34007		BATHURST/WILSON, NORTH YORK												MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	5	5	4	4	4	4	4	3	3	3
2	3	3	3	3	3	5	6	4	4	3	2	2	2	2	2	2	3	2	2	2	3	3	2	2	3
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	3	3	2	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	5	4	3	3	3
5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
6	3	3	2	3	3	3	4	5	4	4	4	4	3	3	3	4	4	3	3	3	3	4	4	4	5
7	3	3	3	3	3	5	6	7	7	6	5	5	5	5	6	7	8	6	5	4	4	4	4	4	3
8	4	3	3	3	3	5	6	6	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
9	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	4	4	4	5	5	4	4	3
11	3	3	3	3	3	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	4	5	5	3	3
12	2	2	3	3	3	4	6	5	4	4	4	3	2	2	3	4	4	3	4	3	2	2	2	2	2
13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	4	4	4	4	4	4	6	7	5	4	4	4	4	4	5	6	6	6	5	4	5	4	5	5	5
17	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4
18	4	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3
19	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3
20	4	3	3	3	3	3	5	4	3	3	3	3	3	5	5	5	5	5	4	4	5	4	4	4	4
21	5	4	3	3	3	4	6	6	6	7	8	5	4	4	2	2	2	2	2	2	2	3	3	3	4
22	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	2	2
23	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	5	5	5	5	3
25	5	4	3	4	4	4	4	4	4	3	4	3	3	3	3	3	4	4	4	4	5	5	5	4	4
26	4	3	3	3	3	5	5	7	6	5	4	4	4	4	4	4	5	6	4	4	4	3	3	3	3
27	2	3	2	3	3	4	5	4	3	3	5	4	4	4	2	2	3	3	2	2	2	2	2	2	2
28	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 34007		BATHURST/WILSON, NORTH YORK												MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	3	4	5	3	3
2	3	3	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3
3	3	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
4	3	3	3	3	3	4	6	5	4	4	4	4	4	4	4	5	5	4	4	4	5	4	4	4	4
5	4	3	3	3	3	3	4	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6	4	3	3	3	3	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3
7	2	2	2	2	2	3	4	5	4	5	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2
8	3	3	2	2	2	3	2	3	3	3	3	3	2	2	2	2	2	3	3	4	3	3	2	2	2
9	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	3	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	3	3	3	4	5	5	3
13	5	5	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4
14	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
15	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
17	3	3	3	3	3	3	2	3	2	3	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2
18	3	3	2	3	3	2	3	3	3	3	3	3	3	3	3	4	3	3	2	2	2	2	2	2	2
19	2	3	2	1	2	4	6	6	4	4	3	3	3	3	3	4	2	2	2	2	4	6	7	3	3
20	2	2	2	2	3	5	6	4	4	4	4	3	4	3	4	5	4	4	5	2	4	2	2	2	3
21	2	2	2	2	2	3	2	6	4	5	4	3	3	3	2	2	2	2	2	2	3	2	2	2	3
22	4	3	2	2	2	2	1	2	3	3	3	3	3	2	3	3	2	1	1	1	1	3	3	2	2
23	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	2	3	4	2	3	2	2	2	2	2	3	4	4	3	3	5	3	3	2	3
25	2	2	1	1	1	2	3	6	5	3	2	2	2	2	2	3	4	5	4	2	2	1	2	2	2
26	2	1	1	1	1	2	3	6	5	3	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
27	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	2
31	3	2	2	1	2	4	5	4	3	2	3	3	3	3	3	4	5	4	5	6	4	3	4	3	3
MEAN	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK												MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	3	2	3	7	7	5	4	3	3	2	3	3	4	5	4	3	5	6	4	2	2	3	4
2	3	2	2	2	2	4	7	7	4	4	3	3	3	3	3	4	4	4	6	6	3	3	3	2	4
3	3	2	1	2	1	2	2	2	2	2	2	2	2	2	1	2	2	2	7	2	1	2	1	1	2
4	1	1	1	1	2	3	2	2	1	1	1	1	3	4	4	4	3	2	2	3	3	3	4	4	2
5	5	4	5	5	5	6	5	4	7	4	4	4	3	4	4	4	4	5	8	8	6	5	5	4	5
6	4	4	5	5	4	5	4	3	3	3	3	3	4	4	4	4	4	4	5	5	6	6	5	4	4
7	6	5	4	4	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4
8	4	4	3	3	3	3	5	6	5	3	3	3	3	4	***	3	2	3	3	3	2	2	1	3	3
9	1	1	1	1	2	3	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
10	1	1	1	1	1	4	3	2	3	3	2	2	3	3	***	4	4	3	6	7	8	7	8	6	4
11	4	3	2	2	2	2	4	6	4	3	3	3	3	3	3	4	4	3	4	8	7	5	6	7	4
12	5	4	3	3	2	3	2	2	2	1	1	2	2	3	3	3	2	3	4	6	4	4	4	3	3
13	3	2	2	3	2	2	2	2	2	2	3	3	2	3	3	2	3	4	4	2	3	2	3	2	3
14	3	2	2	2	2	3	4	3	2	3	4	4	4	3	3	5	4	4	6	8	4	4	5	6	4
15	5	4	3	2	3	5	7	8	5	4	4	4	3	4	4	5	3	2	3	6	6	5	4	3	4
16	3	2	2	2	2	4	5	5	4	4	4	3	3	3	4	4	3	2	3	4	2	2	2	3	3
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3	3	2
18	3	3	2	2	2	3	3	4	4	4	4	4	3	3	4	4	5	5	7	7	4	3	3	3	4
19	3	3	2	2	2	3	4	4	4	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	3
20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	3	3	3	4	3	3	3	3	3	3	4	4	4	6	6	4	5	5	6	4
22	6	6	5	4	4	6	9	7	5	3	4	3	3	4	4	5	5	4	5	5	5	7	7	6	5
23	4	2	2	2	2	3	4	5	4	4	4	4	4	4	***	4	5	6	5	4	4	5	5	4	4
24	4	3	3	3	3	4	6	7	5	5	3	4	4	5	5	7	7	5	4	3	3	3	2	2	4
25	2	2	2	2	2	2	3	3	4	3	2	2	2	2	2	2	2	2	2	2	4	3	2	2	4
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	3	2	2	4
27	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	3
28	2	2	2	2	2	4	6	6	5	5	4	3	3	3	3	3	4	4	4	3	2	2	2	2	2
29	2	2	2	2	2	3	5	5	5	4	4	3	2	***	2	2	2	2	2	2	2	3	3	3	3
30	2	2	2	3	3	3	7	8	5	4	4	3	3	3	4	5	4	5	5	4	3	2	2	2	4
31	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	4	5	4	4	3
MEAN	3	3	2	2	2	3	4	4	4	3	3	3	3	3	3	4	3	3	4	4	4	3	3	3	3.2

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK												MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	3	3	3	2	2	2	2	3	4	4	5	4	4	5	5	4	4	3	3
2	3	3	3	3	3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
6	2	2	2	2	2	4	7	6	4	4	2	2	2	2	2	2	5	5	4	4	4	4	3	3	*****
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	2	2	2	3
8	2	2	2	2	2	3	4	5	5	4	4	4	4	4	5	6	6	4	3	3	3	2	2	2	3
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	4	3	2	3
10	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3	3	3	4	4	4	5	5	5	4	3
11	3	3	4	4	4	4	6	15	13	6	3	3	5	4	3	3	2	2	3	3	3	3	3	2	4
12	2	2	2	2	1	2	3	4	3	2	2	2	3	*****	3	3	3	4	4	3	3	3	3	2	3
13	2	2	2	2	2	4	5	5	4	3	3	3	3	3	4	4	4	4	3	3	3	3	3	2	3
14	2	2	2	2	2	4	6	6	5	4	4	4	4	5	5	6	8	6	4	3	3	3	3	3	4
15	2	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2	2	3	4	3	3	2	2	2	3
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	3	3	3	3	3	2	2	2	2	3	3	3	4	3	4	3	3	3	3	2	2	2	2	2	3
18	2	2	2	2	2	3	5	5	5	4	4	3	4	4	5	4	6	4	2	2	2	2	2	2	3
19	1	1	1	1	1	2	3	3	3	3	3	3	3	4	4	4	5	4	4	4	4	4	3	2	3
20	2	2	2	2	2	3	5	6	5	5	4	4	4	5	5	7	8	7	6	5	5	4	5	5	5
21	5	5	4	4	4	4	7	6	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
22	1	1	1	1	1	2	3	3	2	2	2	1	2	2	2	2	2	2	3	2	2	2	2	2	2
23	2	2	2	2	2	2	2	3	4	3	3	3	2	2	2	3	4	4	4	4	4	4	5	7	3
24	8	7	4	3	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
25	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2
26	2	2	1	1	2	4	7	8	4	3	3	3	3	*****	3	4	4	3	3	3	3	2	2	2	3
27	2	2	2	2	2	3	5	6	4	4	3	3	3	3	4	5	6	3	3	3	2	4	1	1	3
28	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	2
29	4	3	2	2	2	4	10	10	8	5	*****	3	4	4	4	5	5	4	4	3	3	3	3	3	4
30	4	3	3	3	3	3	4	5	3	3	3	3	3	3	3	3	4	5	4	3	4	3	2	2	3
MEAN	2	2	2	2	2	3	4	5	4	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 88.9

PERCENTAGE OF DATA INVALID - 11.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION																			
STATION - C NO 34007															BATHURST/WILSON, NORTH YORK										MONTH - OCT 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	3	6	6	5	5	5	5	5	6									
3	5	5	4	3	3	4	5	5	4	3	...	2	3	4	4	5	4	4	3	3	3	3	3	2	4									
4	2	2	2	2	2	4	6	6	4	3	3	3	3	4	4	4	4	4	4	5	6	6	3	2	4									
5	2	3	3	2	3	4	8	10	6	3	4	3	4	4	4	5	5	4	4	3	3	2	3	3	4									
6	2	2	2	2	2	3	4	5	5	4	4	4	3	3	3	2	3	3	3	2	2	2	1	1	3									
7	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
8	2	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	...	...	...	...	2									
9	...	...	...	...	...	...	3	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...									
10	...	...	...	...	...	...	...	3	3	2	2	2	2	2	2	2	2	3	3	5	5	4	2	3	3									
11	3	3	3	3	3	5	8	9	10	8	5	4	4	4	4	5	5	6	6	5	4	3	3	2	5									
12	2	2	2	2	2	3	6	4	3	3	2	2	2	...	2	2	3	3	3	2	2	3	3	3	3									
13	3	3	2	2	2	3	4	3	3	2	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...									
14	...	...	...	...	...	...	...	0	1	0	0	0	1	0	2	2	2	1	1	...	...	...	...	...	...									
15	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	3	3	4	5	5	4	...	...	...	...									
16	...	...	...	...	0	2	2	3	3	2	2	...	...	1	2	3	3	5	5	5	4	4	4	4	3									
17	3	3	2	2	2	2	5	6	6	5	3	...	...	...	...	3	3	3	3	2	2	2	2	2	...									
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...									
19	2	2	1	1	1	2	4	6	5	3	2	2	2	2	4	7	8	6	3	3	3	2	1	3	...									
20	1	1	1	1	2	3	6	6	4	...	...	2	3	4	4	4	5	6	7	5	4	2	3	2	3									
21	2	2	2	2	2	2	3	4	4	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3									
22	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3									
23	3	3	3	3	3	3	3	3	3	3	...	1	2	2	2	2	2	2	1	1	1	2	2	2	2									
24	2	2	2	2	2	3	5	7	8	5	3	2	3	3	3	4	4	3	3	3	3	3	3	3	3									
25	2	2	2	2	2	2	4	7	5	4	4	4	3	3	3	4	5	5	3	2	2	2	2	2	2									
26	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	2	3	2	2	2	2	2	2	2									
27	2	2	2	2	2	2	3	3	...	3	2	3	4	5	5	6	4	3	5	3	3	3	5	2	3									
28	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
29	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	5	5	6	5	5	3									
30	3	3	3	2	2	2	4	6	5	4	3	3	3	3	4	5	6	8	9	8	7	4	3	3	4									
31	3	2	2	2	2	3	4	8	6	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3									
MEAN	2	2	2	2	2	3	4	4	4	3	3	2	3	3	3	3	4	4	4	3	3	3	3	3	3									

PERCENTAGE OF DATA VALID - 85.1

PERCENTAGE OF DATA INVALID - 14.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	3	4	5	4	3	4	4	4 ****	4	5	6	5	6	4	4	3	3	3	3
2	2	2	2	2	2	3	4	5	4	3	3	2	3	2	2	2	3	4	3	4	3	3	4	3	
3	4	4	3	3	4	5	6	9	13	8	5	4	4	6	5	6	7	8	8	7	10	10	8	6	7
4	6	6	6	5	5	6	9	9	7	6	5	5	5	5	6	6	6	6	7	9	8	8	6	6	
5	6	8	9	7	6	5	4	4	4	5	4	4	4	4	4	4	4	5	6	6	5	3	3	3	5
6	2	2	2	2	2	2	3	5	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	3	4	2	2	2	3	3	2
8	3	3	2	2	2	3	5	8	7	5	4	4	4	3	4	4	5	6	5	4	4	3	3	3	4
9	3	2	2	2	2	3	4	6	5	3	3	3	3	3	4	5	5	8	8	7	6	5	5	4	4
10	4	3	3	4	3	3	4	8	9	6	4	4	4	4	5	5	6	6	5	4	4	4	5	5	5
11	5	4	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
12	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2
13	2	2	2	2	2	2	2	4	6	5	4	5	4	4	4	5	7	7	5	4	3	3	3	3	4
14	3	3	3	3	3	3	3	4	4	3	3	2	2	2	2	2	2	2	3	4	5	5	6	8	8
15	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	3	4	5	5	6	8	8	3
16	7	4	3	2	2	2	3	7	6	4	4	4	3	4	4	4	6	8	6	6	6	6	4	3	4
17	2	2	2	2	2	2	3	5	5	4	4	4	4	5	5	5	6	7	4	4	3	3	2	2	4
18	2	2	2	2	2	2	2	2	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
19	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	3	2	2	2	3	2	3	3	6	6	5	5	5	5	4	3	3
22	3	3	2	2	2	2	3	4	7	7	3	3	3	4	4	5	6	5	4	4	3	3	3	3	4
23	2	2	2	2	2	2	4	6	6	5	4	4	4	4	4	5	5	4	3	3	3	3	3	4	4
24	2	2	2	2	2	2	3	4	4	3	3	3	2	2	2	2	2	2	4	3	3	3	2	2	2
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	2	2	2	3
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	3	2	3	2	3	3
28	2	2	2	2	2	2	2	4	4	4	3	3	2	3	4	4	4	4	3	2	3	2	3	3	3
29	3	2	2	2	2	2	4	6	5	6	4	4	3	3	4	5	5	4	3	3	3	3	3	2	4
30	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	3	3	3	3	2	2	3	2	2
MEAN	3	3	3	2	2	3	3	4	5	4	3	3	3	3	3	4	4	5	4	4	4	3	3	3	3

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE																UNITS - PARTS/MILLION									
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK																MONTH - DEC 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	3	4	4	3	4	3	4	6	****	5	6	3	3	3	2	2	2	3
2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	3	2	2	3	1	2
3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	3	3	3	3	3	3	3
4	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
5	2	1	1	1	1	1	2	2	3	3	2	2	2	2	****	3	4	5	3	3	3	2	2	2	2
6	2	2	2	2	2	2	3	5	5	4	3	2	2	2	2	2	3	3	3	2	2	2	2	2	3
7	2	2	2	2	2	2	3	5	6	5	5	4	4	3	3	3	3	4	3	3	3	3	4	4	3
8	3	3	3	2	2	2	3	4	4	3	3	2	****	1	2	2	2	2	2	2	2	2	1	1	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2
11	2	2	3	3	3	3	3	4	5	4	4	4	4	4	4	5	6	8	6	6	5	5	4	4	4
12	3	3	4	3	3	2	2	3	3	3	2	2	****	3	3	4	5	5	4	3	3	3	3	3	3
13	3	3	2	2	2	2	3	4	3	3	3	3	3	3	2	2	3	3	2	2	2	2	2	2	3
14	2	2	2	2	2	2	2	3	3	3	2	2	2	2	3	4	4	3	3	2	2	2	2	2	2
15	2	2	2	2	2	2	2	4	3	3	3	2	3	3	3	3	5	6	5	3	3	3	2	2	3
16	2	2	2	2	2	3	3	4	4	4	4	3	4	4	4	4	5	5	5	4	3	3	3	3	3
17	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	3	5	4	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
20	2	2	2	2	2	2	3	5	6	5	4	3	3	4	4	4	5	4	4	4	4	3	3	3	4
21	3	2	3	2	2	2	2	3	2	2	2	****	2	2	2	2	2	3	3	3	3	3	3	2	2
22	2	2	2	2	2	2	3	4	6	5	4	4	4	4	4	4	3	3	3	3	2	2	2	2	3
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	5	6	5	6	7	3
24	7	7	7	5	4	2	2	2	2	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	4
25	2	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	3	2	2	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2
28	3	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	3	4	3	3	3	3	3	3
29	3	2	2	2	2	2	2	4	4	3	4	5	4	4	4	4	5	4	4	3	4	3	3	3	3
30	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	5	4	5	5	5	4	4	5	3
31	5	5	4	3	4	5	4	4	4	5	6	6	5	4	4	4	5	5	5	4	5	5	4	4	5
MEAN	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE				UNITS - PARTS/MILLION	
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	2.4	4	10	
FEB	28	2.3	4	7	
MAR	31	2.3	4	8	
APR	30	2.5	4	10	
MAY	31	3.1	5	8	
JUN	30	3.0	5	8	
JUL	31	2.8	4	7	
AUG	31	3.2	5	9	
SEP	26	3.0	5	15	
OCT	25	3.0	5	10	
NOV	30	3.3	7	13	
DEC	31	2.8	5	8	
YEAR	355	2.8	7	15	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	96	528	106	2	0	0	732
FEB	110	471	83	0	0	0	664
MAR	188	447	106	0	0	0	741
APR	20	622	73	2	0	0	717
MAY	14	470	257	0	0	0	741
JUN	0	515	199	0	0	0	714
JUL	81	465	185	0	0	0	731
AUG	26	443	268	1	0	0	738
SEP	32	428	176	3	1	0	640
OCT	41	438	150	4	0	0	633
NOV	0	468	238	9	0	0	715
DEC	8	577	153	0	0	0	738
YEAR	616	5872	1994	21	1	0	8504

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.1	0	1.1	1.5	1.9	2.7	4.0	4.9	5.9	6.8	15	2.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	3	5	6	5	3	3	3	3	3	3	3	4	4	4	4	3	3	2	3
6	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3	3	2	3	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3
8	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	1	1	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	2	2	2	1	2	2	2	5	7	4	3	3	2	2	2	2	2	2	2	2	1	1	1	1	2
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	4	3	2	2	1
22	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
24	1	1	2	1	1	1	2	2	2	2	1	1	1	2	2	2	2	2	2	2	1	1	2	2	2
25	1	2	2	2	2	1	2	3	4	3	3	3	3	3	2	2	3	3	2	2	2	1	1	1	2
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	2	3	4	4	3	1	1	1	1	1	1	2	1	1	1	1	1	1	2
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 86.7

PERCENTAGE OF DATA INVALID - 13.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE												MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	2	4	3	2	2	1	1	1	1	2	2	2	2	1	1	1	1	2
3	1	1	1	1	1	1	2	3	8	4	2	2	1	1	1	1	1	2	1	1	2	2	2	2	2
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	4	2
5	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	2	1
8	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1
9	1	1	1	1	1	1	1	2	3	2	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	3	4	2	2	2	2	***	1	1	1	1	1	1	1	1	1	1	2
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1
14	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
15	2	2	1	1	1	1	1	5	5	3	1	1	1	1	1	1	2	2	2	2	2	4	3	2	2
16	2	2	2	2	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	2	2	2	2	1	2
17	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2
18	2	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2
19	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
20	2	2	2	2	2	2	3	5	5	4	3	2	1	1	1	1	1	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	3	4	3	2	2	1	1	***	2	1	1	1	1	1	1	1	1	2
22	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	***	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	1
25	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	6	1	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1	1
27	1	1	1	1	1	1	1	2	4	2	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1
28	-	-	-	-	-	-	-	-	4	2	1	1	0	0	0	0	1	1	1	2	2	1	2	3	1
MEAN	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1.4

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 1.2

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE												MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1
2	1	1	1	1	1	1	2	3	3	2	1	1	0	0	0	0	1	1	1	1	1	1	2	2	1
3	2	2	2	2	1	1	1	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	2	2	3	6	5	3	2	2	2	1	1	***	1	1	1	1	1	1	1	1	1
7	2	1	1	1	1	1	2	6	5	3	2	2	1	1	1	1	1	1	1	2	2	3	2	2	2
8	1	1	1	1	1	1	2	6	5	4	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1
9	4	3	2	2	2	2	3	4	5	3	2	2	1	1	1	1	2	2	2	2	3	3	4	4	2
10	3	2	2	2	2	2	3	4	3	3	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2
11	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	3	3	3	3	2
12	3	3	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
13	2	2	2	2	2	2	3	5	6	6	3	2	2	2	2	3	3	3	3	3	3	2	3	2	3
14	2	2	2	2	2	2	2	3	3	3	2	1	1	1	1	1	1	1	1	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
16	1	0	0	0	0	0	0	1	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	4	2	1	1	1	1	1	1	1	1	2	2	2	1	2	1	2	1
21	2	2	2	2	2	2	3	***	10	8	5	4	4	3	2	1	1	1	1	1	1	1	1	1	3
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	3	1	1	1	1	1	1
23	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1	2	2	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	2	2	1
27	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1
28	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	0	0	0	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	2	3	1	1	1	1	1	0	0	1	1	***	1	1	1	1	1	1
31	1	1	1	1	1	1	2	3	4	3	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1
MEAN	2	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	3	2	1	1	1	1	1	2	3	4	4	2	1	2	1	1	0	2
5	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	1	1	1	2	2	1	1
6	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
7	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	0	1
8	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
10	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	0	0	1	2	4	5	3	4	3	1	1	1	1	1	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
14	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1
15	1	1	1	1	0	1	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	1
17	1	1	0	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	3	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
23	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	2
24	3	2	1	1	1	1	2	6	3	2	2	2	2	1	1	1	1	1	1	2	1	1	1	1	2
25	1	1	1	1	1	1	2	2	2	2	1	1	1	2	2	2	2	2	2	2	3	4	3	2	2
26	4	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2
27	2	2	2	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
28	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1
29	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.0      PERCENTAGE OF DATA INVALID - 1.0      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	2	2	2	2	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1
4	1	1	1	1	1	2	4	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1
5	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
6	1	1	0	0	0	1	1	1	1	1	1	2	2	2	2	2	3	1	1	1	1	1	1	1	1
7	1	1	1	0	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1
8	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	3	2	2	1	1	1	1	0	0	1
9	2	2	2	1	2	2	3	1	3	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	1
10	0	0	1	0	1	1	1	1	0	0	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1
11	1	1	1	1	1	2	4	3	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	2	2
12	2	2	1	1	1	2	3	5	5	3	2	3	3	2	3	2	1	1	1	1	1	1	1	1	2
13	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1
17	1	1	1	1	1	1	4	3	3	2	1	1	1	1	1	1	1	2	1	2	1	1	2	1	1
18	2	1	1	1	1	1	2	1	1	1	2	2	3	3	3	3	2	1	2	3	3	3	3	3	2
19	3	3	2	2	1	2	3	2	1	1	2	1	0	0	0	0	0	1	0	1	2	2	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	1	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	0
22	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	2	2	5	9	1	1	1	1
23	1	1	1	1	1	1	2	4	5	2	1	1	1	1	1	2	1	2	2	3	1	1	2	2	2
24	2	2	2	2	2	2	4	5	4	3	2	1	1	1	1	1	1	1	2	3	4	1	1	1	1
25	1	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0	1	2	2	1	2	3	5	5	4	3
27	3	2	2	2	1	1	2	3	3	2	1	2	1	1	1	2	2	2	2	2	2	2	3	3	2
28	3	3	3	2	2	2	2	2	1	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2
29	2	3	2	2	2	3	3	2	2	2	2	3	3	1	1	1	1	1	1	2	2	2	2	3	2
30	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
31	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1.3

PERCENTAGE OF DATA VALID - 98.7      PERCENTAGE OF DATA INVALID - 1.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	3	3	3	2	2
2	2	1	1	2	2	3	4	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
4	2	2	2	2	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2
5	2	1	2	2	1	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	2	3	3	2	2
6	2	2	2	2	2	2	4	3	2	3	3	2	2	2	2	2	2	2	2	2	2	3	4	3	2
7	3	3	3	3	3	3	4	6	5	4	4	4	4	3	***	3	3	4	3	2	3	3	2	3	3
8	1	1	1	1	2	3	3	2	1	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1
9	1	1	1	0	1	1	2	1	1	1	1	1	0	0	1	1	0	0	0	0	0	1	1	1	1
10	1	1	2	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
11	3	3	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
12	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1
15	2	1	1	1	2	2	2	2	2	1	1	1	2	2	2	2	2	2	1	1	2	2	2	3	2
16	2	2	2	2	2	2	3	4	3	3	3	2	2	1	1	2	2	2	3	2	3	3	2	2	2
17	2	2	2	1	1	2	1	2	2	2	4	3	2	3	2	1	2	2	1	1	1	1	2	2	2
18	2	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	2	2	1	1	1	1	1	1	***	1	0	0	0	1	1	1	2	2	1
20	1	1	2	1	1	2	4	3	2	1	1	1	2	1	1	2	1	1	1	2	2	2	3	3	2
21	3	3	2	3	2	2	4	3	3	4	3	2	2	1	1	1	1	1	1	1	1	1	2	2	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
24	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	3	3	1	1
25	3	3	3	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	1	2	3	3	3	2	2
26	2	2	2	2	2	2	3	4	3	2	3	2	***	3	2	2	2	2	2	2	2	2	2	2	2
27	1	1	2	2	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2
28	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	1	***	1	1	1	1	1	1	1	1	1	2	2	2
30	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	2	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	2	2	2	1	1	1	2	2	1	1	1	1	1	2	3	3	3	2	2
2	2	2	2	1	2	2	2	1	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	2
5	4	3	2	2	2	3	3	3	2	2	2	2	2	2	1	2	2	1	1	2	3	3	3	2	2
6	2	2	2	2	2	2	2	2	1	2	3	2	2	2	2	1	1	1	1	2	2	2	2	2	2
7	2	2	2	2	2	2	2	3	3	3	4	3	2	***	2	1	1	1	1	2	2	2	2	2	2
8	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	2	2	2	1	1	1	1	1	1	1
10	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	2	1
11	2	2	2	2	2	2	2	2	2	1	2	2	2	2	***	1	1	1	1	1	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	1	1	1	2	2	2	2	1	1
13	1	0	0	0	0	1	2	2	2	2	2	2	1	1	1	1	1	0	0	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
17	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	2	2	1	1
18	1	1	1	1	1	1	2	2	2	1	1	1	1	1	***	2	2	2	2	2	1	1	1	1	1
19	1	2	1	1	1	2	3	3	3	3	3	2	2	2	2	1	1	1	1	1	1	2	2	3	2
20	2	2	2	2	2	2	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2
21	2	2	2	1	1	2	2	3	3	***	4	2	2	2	1	1	1	1	1	***	2	2	2	2	2
22	2	2	2	2	1	1	1	2	2	2	2	3	2	3	2	1	1	1	2	2	2	2	2	2	2
23	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
24	2	2	1	2	2	2	3	3	3	2	2	2	2	2	***	1	1	1	1	1	2	1	1	1	2
25	1	2	2	2	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2
26	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1
29	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1
31	2	1	1	1	1	1	1	1	1	1	1	***	1	0	0	0	1	1	1	1	1	1	2	1	1
MEAN	1	1	1	1	1	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	1.4

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE																							
MONTH - AUG 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	0	1	1	1	3	2	2	2	2	1	1	1	2	2	2	2	3	3	3	2	2	2
2	2	1	1	1	1	1	2	2	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1
4	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2
5	2	2	2	1	1	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	1	1	1	2	2	2	3	3	2
7	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	3	2	2	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	1	1	1	1	1	3	2	2	2	2	2	2	1	1	1	2	2	1	1	2	2	2	3	2	2
11	1	1	1	1	1	2	4	5	3	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2
12	3	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2
13	2	2	1	1	1	2	2	1	1	1	2	2	3	3	2	2	2	2	2	1	2	2	1	2	2
14	2	1	1	1	1	2	3	3	2	2	2	2	2	1	2	2	2	1	2	2	3	3	4	4	2
15	3	2	2	2	2	3	3	3	2	1	1	2	2	2	2	2	2	1	2	2	2	1	1	1	2
16	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
18	2	2	2	1	1	1	3	3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	2	2
19	2	3	3	1	1	1	1	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1
21	1	1	1	1	1	2	4	2	3	2	2	2	2	2	2	1	1	1	1	1	1	1	3	2	2
22	2	2	2	1	1	2	3	5	4	2	1	1	1	1	1	1	1	1	1	3	3	3	3	2	2
23	1	1	1	1	1	1	2	4	4	3	1	1	1	2	3	2	2	2	2	2	3	3	1	2	2
24	1	1	1	1	1	1	2	3	2	1	2	2	2	1	3	3	2	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	2	2	2	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1
30	1	1	1	1	1	2	3	3	2	1	1	0	1	1	1	1	1	2	2	2	1	1	1	1	1
31	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2
MEAN	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 35003															ELMCREST ROAD, ETOBICOKE										
MONTH - SEP 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	2	2
5	1	1	1	1	1	1	4	4	2	2	2	2	1	1	1	1	1	1	1	3	1	1	1	1	1
6	1	1	1	1	1	2	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	3	3	3	4	2
11	3	3	3	2	3	3	5	9	6	4	2	2	2	1	1	1	1	1	1	1	1	1	0	0	2
12	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0
13	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	1	0	0	1
14	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
15	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	2	2	2	2	2	1	2	1	2	2	2	2	2	2	2	1	1	1	1
19	1	1	1	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2
20	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	3	3	3	3	3	3	3	4	4	3
21	3	3	3	3	3	4	4	8	8	8	8	1	1	1	1	1	1	1	1	1	1	1	1	1	2
22	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	1	1
24	3	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
25	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
26	1	1	1	1	1	2	4	5	5	3	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
27	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	1	1
29	3	2	1	1	2	2	4	6	5	4	2	2	1	1	1	2	1	1	2	1	1	1	1	2	2
30	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	2	2	1	2	2	1	1	2
MEAN	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE												MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1
2	1	1	1	1	1	2	2	4	3	2	1	1	1	1	1	1	2	2	2	3	2	3	3	4	2
3	4	3	3	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	1	1	1	2
4	1	1	1	1	1	1	1	2	8	5	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2
5	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2
10	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2
11	2	2	2	2	2	3	4	7	6	3	2	2	2	2	2	2	3	4	3	2	2	2	2	1	3
12	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
13	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
15	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	2
16	2	1	1	1	1	2	3	4	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2
17	2	2	2	2	2	2	3	4	5	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	1	1	2	2	3	5	2	2	2	2	2	2	2	2	2	3	3	2	2	2	1	1	2
20	2	1	1	1	2	2	3	6	6	2	2	2	2	3	2	2	2	4	2	3	2	2	2	2	2
21	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2
24	2	2	2	2	2	2	4	5	4	2	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2
25	2	2	1	2	2	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
26	1	1	1	1	1	1	2	4	2	2	2	1	1	2	2	2	2	2	2	2	2	2	1	1	2
27	1	1	1	1	1	1	2	2	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2
29	2	2	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	3	4	5	4	3	4	2
30	5	4	4	2	2	2	2	3	3	3	2	2	2	2	2	2	2	6	6	6	5	4	3	2	3
31	2	2	2	2	2	2	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	1	2	2	2	3	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE												MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	4	6	6	5	3	3	3	2	3	4	3	4	5	4	2	2	2	3
2	2	2	2	2	2	2	2	3	4	3	3	2	2	2	2	3	3	4	3	3	4	4	4	4	3
3	5	5	4	4	3	3	4	6	9	8	7	4	3	4	4	4	4	5	6	5	6	5	4	5	5
4	6	5	4	5	4	5	5	6	6	6	7	6	6	5	5	6	6	6	7	6	5	4	3	3	5
5	3	3	4	4	4	4	4	4	5	5	4	4	3	4	4	4	3	3	3	3	3	3	3	3	4
6	2	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3
7	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
8	3	3	3	3	3	3	4	7	8	5	3	2	4	4	3	3	3	3	3	3	3	3	3	3	4
9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3
10	4	4	3	3	3	3	4	6	8	11	8	5	4	4	4	4	4	4	4	4	4	4	4	5	5
11	4	4	4	5	5	3	4	4	4	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3
12	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3	4	5	5	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4
14	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
15	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
16	4	4	4	3	3	3	3	5	7	4	4	3	3	3	3	3	3	4	4	5	5	5	5	4	3
17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3
18	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	3	4	4	3	3	3	3	2
22	3	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
23	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1
27	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	3	2	2	1	1	1	2
28	1	1	1	1	1	1	1	2	4	3	2	1	1	2	1	2	2	2	1	1	1	1	1	1	1
29	2	1	1	1	1	1	2	3	3	3	2	2	1	1	1	2	2	2	2	2	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	3	2	2	2	2	2	2	3	4	3	3	3	2	2	2	3	3	3	3	3	3	2	2	2	2.8

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	2	1	2	1	2	1	1	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
3	2	2	2	2	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
4	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
6	1	1	1	1	1	1	2	2	2	2	2	2	4	3	4	4	4	4	4	4	3	3	3	4	3
7	3	3	3	3	3	3	3	4	5	4	5	4	4	4	3	3	4	4	4	4	4	4	4	4	4
8	4	4	4	4	3	3	4	4	5	4	3	3	3	3	3	3	3	3	3	2	3	2	2	3	3
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1
14	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	2	2	2	3	2	2	2	1	1	2
17	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	3	2	2	1	1	1	2	1
20	2	2	2	2	1	1	1	2	3	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	4	4	3	3	3	2
22	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	4	4	6	2
24	5	5	7	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2
25	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	0	0	1	1	1	1	1	2	3	1	1	1	1	1	1	2	2	3	2	3	3	3	3	2
29	3	2	2	2	2	2	2	2	3	3	3	4	4	3	2	2	2	3	3	3	3	1	1	1	2
30	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2
31	4	3	3	3	2	2	2	2	2	2	3	4	3	3	2	2	2	3	2	2	2	2	1	1	2
MEAN	2	2	2	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE				UNITS - PARTS/MILLION	
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	26	1.8	3	7	
FEB	28	1.4	2	8	
MAR	31	1.4	3	10	
APR	30	1.1	2	6	
MAY	30	1.3	2	9	
JUN	30	1.5	3	6	
JUL	31	1.4	2	4	
AUG	30	1.5	2	5	
SEP	30	1.4	3	9	
OCT	31	1.8	3	8	
NOV	30	2.6	5	11	
DEC	31	1.6	4	7	
YEAR	358	1.6	5	11	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	260	364	21	0	0	0	645
FEB	447	199	15	0	0	0	661
MAR	512	206	22	1	0	0	741
APR	562	139	12	0	0	0	713
MAY	509	208	16	1	0	0	734
JUN	414	282	18	0	0	0	714
JUL	439	292	5	0	0	0	736
AUG	445	272	11	0	0	0	728
SEP	518	172	21	1	0	0	712
OCT	304	399	35	0	0	0	738
NOV	188	378	147	2	0	0	715
DEC	446	251	42	0	0	0	739
YEAR	5044	3162	365	5	0	0	8576

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.9	0	0.1	0.5	0.8	1.4	2.3	2.9	3.8	4.6	11	1.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
4	1	1	2	2	2	2	3	4	5	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
5	2	2	2	2	2	2	3	4	4	3	3	3	3	3	3	4	4	4	4	4	4	5	5	4	3
6	3	2	2	2	2	2	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3
8	3	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	4	4	4	3	3	2	1	2
9	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1	1	1	2
10	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2
12	2	2	1	1	1	2	2	3	3	3	3	3	3	3	3	3	4	5	4	3	3	3	3	3	3
13	3	3	3	3	3	2	2	3	3	3	4	3	3	3	3	3	4	3	2	2	2	1	1	1	3
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	1	2	1
16	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	3	3	3	2	2	2	3	2	2
17	3	3	3	2	2	2	3	4	5	5	4	3	3	3	3	3	3	3	3	2	2	2	2	2	3
18	1	1	1	1	1	1	2	2	3	3	2	2	2	3	3	3	3	3	3	2	2	2	3	2	2
19	3	2	2	2	2	2	3	5	8	11	7	4	3	3	2	3	3	4	3	3	3	2	2	2	4
20	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	2	1	1	1	2
21	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	4	4	5	3	2	2
22	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
23	2	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2
24	2	2	2	2	2	2	2	3	4	4	3	2	3	3	3	3	5	4	4	3	2	2	2	2	3
25	3	3	3	2	2	2	4	6	8	10	5	5	4	4	4	4	4	5	3	2	2	2	2	2	4
26	2	2	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	2	1	1	1	1	1	2	3	4	5	4	3	2	2	2	3	4	4	3	3	2	2	2	2	2
31	2	2	2	2	2	2	2	3	3	3	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2
MEAN	2	2	2	1	1	1	2	2	3	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 35033		EVANS/ARNOLD AVE, ETOBICOKE												MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
2	2	1	1	1	1	1	2	3	4	5	3	3	2	2	2	2	3	3	3	3	2	2	2	2	2
3	1	1	1	1	1	1	2	5	6	4	3	2	2	2	2	2	2	3	2	2	2	1	2	1	2
4	1	1	1	1	1	1	2	2	2	3	3	3	3	2	2	2	3	3	4	5	4	5	5	5	3
5	4	4	3	3	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	1	1	2	2	1	2	4	4	3	2	2	2	2	2	2	3	2	2	2	1	1	1	1	2
7	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
8	2	2	2	2	2	2	2	4	5	4	3	3	3	3	3	4	4	5	4	4	3	2	2	2	3
9	2	2	2	2	2	2	2	4	4	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	2
10	2	2	2	2	2	2	4	6	5	3	3	3	3	3	3	4	5	3	3	2	2	2	2	2	3
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	2	2	2	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	3	2	2	2	2	2	3	5	5	4	3	3	3	3	3	3	3	3	3	4	4	5	3	3	3
15	2	2	1	1	1	2	3	6	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	3	3	2	3	2	3	2	3	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
17	2	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	2	2	1	1	2	2	3	4	4	4	3	2	2	3	3	3	3	3	2	3	3	3	3	3	3
21	2	2	2	2	2	2	3	4	5	4	2	2	2	2	2	2	3	3	2	2	2	2	2	1	2
22	2	1	1	1	1	2	2	4	4	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	4	4	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2
24	2	2	1	2	1	1	2	2	3	2	2	2	2	2	2	2	2	3	2	2	2	1	1	1	2
25	2	1	2	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	3	4	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	2
28	2	2	1	2	1	2	3	5	5	3	2	2	2	2	2	2	3	4	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 35033		EVANS/ARNOLD AVE, ETOBICOKE												MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	1	1	2	2	4	5	3	2	2	2	2	2	2	1	2	1	2	2	1	1	1	2
2	1	1	1	1	0	1	2	3	3	2	1	1	2	2	2	2	2	2	2	2	1	2	2	2	2
3	2	3	2	2	3	2	1	2	3	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
4	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	2	2	4	6	4	4	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
7	2	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	1	1	1	1	1	2	4	6	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	4	3	2	2	2	2	4	8	6	4	3	3	2	2	2	2	2	3	2	2	2	2	2	2	3
10	2	2	2	2	2	2	3	5	5	3	3	3	3	3	2	2	2	4	2	3	3	3	3	3	3
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	2	2	2	4	7	6	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	1	1	1	1	1	1	2	3	3	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	1	1	1	0	0	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	1	1	1	1	1	1	3	4	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	3	3	2	1	2	2	3	7	9	9	7	6	6	6	6	3	3	4	3	3	2	2	2	2	4
22	2	2	1	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	2	2	2	2	3	3	4	4	3	3	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
MEAN	2	2	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 35033		EVANS/ARNOLD AVE. ETOBICOKE																							
MONTH - APR 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	3	3	2	2	2	1	****	****	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	3	2	2	2	2	2	3	4	5	4	3	****	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	3	3	2	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	3	2	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	4	4	3	4	3	5	3	3	3	3	****	3	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	1	1	1	1	2
13	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
21	1	1	1	1	1	1	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	3	2	2	2	2	2	3	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	4	3	3	3	3	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	1	1	1	1	1	1	1	2	2	1	2	1	1	1	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 35033														EVANS/ARNOLD AVE. ETOBICOKE											
														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	3	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	3	3	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	3	4	4	3	3	3	****	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
6	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
7	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
8	2	2	2	2	2	2	3	3	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2
9	1	2	1	2	2	3	5	6	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	2	2	2	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	2	2	2	3	3	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	1	1	2	3	5	4	2	3	2	2	2	2	2	2	2	1	2	2	2	3	3	3
13	1	1	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	2	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
17	1	0	0	1	1	2	3	3	3	3	3	1	2	2	1	2	1	1	1	2	3	2	1	1	1
18	3	3	2	2	2	3	3	4	3	3	3	****	1	2	2	2	2	2	2	2	2	2	2	2	2
19	3	4	3	2	3	4	5	4	3	2	2	2	****	2	2	2	2	2	2	2	4	4	4	3	3
20	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	3	2	2	2	2	4	5	4	3	3
21	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	2	2	2	2	2	3	4	4	2	2	2	1	1	2	2	2	2	2	2	1	1	2	4	4	1
24	3	2	2	1	2	2	3	4	5	4	2	2	1	2	2	2	2	2	2	2	2	1	3	3	2
25	1	1	1	1	1	2	4	3	2	2	2	1	1	2	2	2	2	2	2	2	2	4	2	2	2
26	2	2	1	1	1	2	4	3	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	3	3	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	4	4	3	2	2	2	2	2	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	3	3	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
30	2	2	3	3	2	2	2	3	4	****	2	2	2	2	2	2	2	2	1	1	1	2	2	1	2
31	1	2	2	2	1	2	2	2	1	1	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	2	2	2	2	2	***	1	2	1	1	1	1	2	1	1	1	1
2	1	1	1	1	1	2	3	4	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	1	1	1	1	2	1
4	2	2	2	2	1	1	2	1	2	2	1	1	1	1	***	1	1	1	1	1	2	1	1	1	1
5	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1
6	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2
7	2	1	2	2	2	2	3	4	3	***	2	3	2	2	3	3	5	5	3	3	3	3	3	2	3
8	1	1	1	1	2	2	3	3	3	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1
12	1	1	1	1	1	2	2	2	1	***	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1
13	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2	2	2	1	1	1	1	2	2	2	2
14	1	1	1	1	2	2	3	2	2	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2
15	1	2	1	1	2	2	3	3	2	2	1	1	1	1	2	2	2	1	1	1	1	2	2	2	2
16	2	2	2	1	1	2	3	3	2	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1
17	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
18	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2	2	3	3	2
19	1	1	1	1	1	2	4	4	3	2	1	1	1	2	2	2	2	1	1	1	2	2	3	3	2
20	2	2	2	2	2	3	4	5	3	2	2	2	2	***	***	3	2	2	2	2	2	2	2	2	2
21	2	2	2	3	3	4	3	3	3	4	3	2	3	3	2	3	2	2	1	1	1	2	2	2	2
22	2	1	1	1	1	2	3	2	1	1	1	1	1	1	2	2	1	1	1	1	2	2	1	1	1
23	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2
25	3	2	3	3	3	3	3	2	1	1	1	1	1	***	1	1	1	1	1	1	1	2	2	1	2
26	1	1	1	1	1	2	4	4	3	2	2	2	1	1	2	2	1	1	1	2	1	1	1	1	2
27	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
28	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	2	2	1	1
29	2	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	2	1	1	1	1	2	2	2
30	1	1	1	1	1	2	2	2	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	2	1	1	1	1	1	2	2	1.5

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	2	3	3	1
2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
3	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	2	1	1	1	1	2	2	3	3	2
4	1	1	1	1	1	2	5	4	2	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	2
5	3	2	1	1	2	2	3	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	2	2	1
6	2	1	1	1	1	2	3	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	2	2	1
7	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
12	1	1	1	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
13	1	1	1	2	2	2	2	2	1	1	2	2	1	1	1	2	1	1	1	1	1	1	2	1	1
14	1	1	1	1	1	3	3	3	2	2	2	2	2	2	2	2	1	1	1	2	3	2	2	2	2
15	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
18	2	1	1	1	2	2	4	3	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2
19	1	2	1	2	1	2	4	4	3	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2
20	1	1	1	1	1	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2
21	2	2	2	1	2	3	3	3	3	4	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2
22	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
23	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
25	1	1	2	2	2	3	3	3	2	1	1	1	1	1	1	2	1	1	1	1	2	3	3	2	2
26	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1
28	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	2	4	2	1
31	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	3	3	1
MEAN	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1.3

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	4	3	2	1	2	2	1	1	1	2	2	2	2	2	2	4	3	3	2
2	4	3	2	1	2	3	5	3	2	2	2	2	2	2	2	2	1	1	1	1	1	2	1	1	2
3	1	1	1	1	1	2	3	3	2	2	2	2	2	1	1	3	1	1	1	2	1	1	1	1	2
4	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1
5	2	2	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
6	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	4	2
7	4	3	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
8	1	1	1	1	1	2	4	3	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2	2	1	1	1	1	2	1	2	1	1
10	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	2	1	1	1	1	2	2	4	4	2
11	3	2	2	2	2	3	4	4	4	1	1	1	1	1	2	2	1	1	1	1	1	1	4	3	2
12	3	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
13	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	4	4	2	3	2	2
14	2	1	1	1	1	2	4	4	4	2	2	2	2	1	2	2	2	2	2	1	1	2	4	3	2
15	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
16	1	1	1	1	1	1	2	2	2	1	1	1	2	1	2	2	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	1
18	3	2	1	1	2	2	4	3	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
19	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
21	1	1	1	1	1	2	3	4	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
22	2	1	1	1	1	2	4	6	5	3	1	1	2	2	2	2	2	1	1	2	2	3	4	2	2
23	2	1	1	1	1	2	4	5	4	3	2	2	3	3	3	4	2	2	1	1	1	1	1	1	2
24	1	1	1	1	1	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1
26	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	0	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
30	1	1	1	1	1	2	5	3	2	2	1	1	1	1	1	2	2	1	1	2	2	1	1	1	2
31	1	1	1	1	1	1	3	3	3	2	2	1	1	2	1	2	1	1	1	1	1	3	4	2	2
MEAN	2	1	1	1	1	2	3	2	2	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	1.5

PERCENTAGE OF DATA VALID - 96.5 PERCENTAGE OF DATA INVALID - 3.4 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	3	3	2	1	1	2	1	2	1	2	2	1	1	1	1	1	1	1	1
2	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	2	4	5	3	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	2
6	1	1	1	1	1	1	3	3	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1	1
8	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1
11	3	3	3	3	3	5	9	7	5	5	4	4	3	2	2	2	1	1	2	2	3	2	2	1	3
12	1	1	1	1	1	1	3	4	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	2	3	3	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
15	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1
16	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	2	3	4	3	2	2	2	1	1	1	2	2	1	1	1	1	1	2	1	2
20	1	1	1	1	2	3	5	4	2	1	1	2	1	1	1	2	2	1	1	1	2	4	4	3	2
21	3	3	2	3	4	5	11	10	5	2	2	2	1	2	2	2	2	2	1	1	1	1	1	1	3
22	1	1	1	1	1	2	3	4	3	2	2	2	1	1	2	2	2	1	2	2	2	1	2	2	2
23	2	2	2	2	2	2	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2
24	4	4	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2
25	0	0	0	0	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
26	2	1	1	1	2	3	5	8	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
27	2	1	1	1	1	2	2	3	3	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	2
28	1	1	1	1	1	2	3	3	2	2	1	2	2	2	2	2	2	2	3	3	3	3	3	2	2
29	3	3	2	2	3	4	6	9	5	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
30	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
MEAN	1	1	1	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	2	3	3	3	2
2	3	3	3	3	3	4	6	7	5	4	3	3	3	3	3	3	3	3	4	4	4	6	6	6	4
3	6	6	3	3	3	3	4	4	3	3	3	3	3	3	3	2	2	1	1	2	1	2	1	1	2
4	1	1	1	1	1	2	3	4	3	2	1	1	1	1	2	2	2	2	3	3	2	2	2	2	2
5	2	2	1	1	1	2	4	5	2	2	1	1	2	2	2	2	1	0	0	0	0	1	0	1	
6	1	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	
9	2	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	
10	1	1	1	1	1	1	3	3	2	3	1	1	1	1	1	2	2	2	1	2	1	1	2	2	
11	3	5	4	4	4	5	5	4	3	2	3	2	2	2	2	3	2	2	2	2	2	2	1	1	
12	1	1	1	1	1	2	3	3	2	2	1	1	1	1	1	2	2	2	3	2	1	1	2	2	
13	2	1	1	1	2	3	4	3	3	2	1	1	1	2	2	2	2	2	2	2	1	1	1	1	
14	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	
15	2	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	1	2	3	3	2	
16	1	1	1	1	1	2	3	3	2	2	3	1	1	1	1	2	1	1	1	0	1	1	2	2	
17	2	2	1	1	1	2	4	4	3	2	2	2	2	1	1	2	2	2	1	1	2	2	2	2	
18	1	1	1	1	1	2	4	3	2	2	2	2	2	1	1	2	4	3	2	2	3	2	1	1	
19	1	1	1	1	1	2	4	4	3	3	2	1	1	2	2	4	3	2	2	3	2	1	1	2	
20	1	1	1	1	1	3	5	7	5	3	2	1	1	1	1	2	2	2	2	2	1	1	1	1	
21	1	1	1	1	1	2	6	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	1	0	0	0	1	1	2	2	2	2	1	1	1	1	2	2	2	1	1	1	1	2	2	3	
24	2	2	2	2	2	3	6	6	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
25	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	
26	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	1	1	1	2	
27	1	1	1	1	1	2	3	3	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	
28	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
29	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	2	2	
30	1	1	1	0	0	0	1	2	2	2	2	2	2	2	2	2	3	4	3	4	5	2	2	3	
31	2	1	1	1	1	1	3	4	4	3	2	2	1	2	2	2	2	2	2	1	1	1	1	2	
MEAN	1	1	1	1	1	2	3	3	2	2	1	1	1	1	1	2	2	1	2	2	2	2	2	2	

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	1	2	3	5	4	2	3	1	1	1	1	2	3	2	2	2	3	2	2	2
2	2	1	1	1	1	1	2	4	4	2	2	2	1	1	1	2	2	3	3	3	3	4	5	6	2
3	6	6	3	4	3	3	4	7	8	5	3	2	2	2	2	2	2	3	3	3	5	5	8	7	4
4	7	4	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	4	8	7	5	3	2	4
5	3	3	5	4	4	4	4	5	2	2	2	2	2	2	1	1	1	2	3	4	2	1	1	1	3
6	1	1	1	1	1	1	2	3	4	4	2	3	2	2	2	2	2	2	2	1	1	1	1	1	2
7	1	1	1	1	0	1	1	2	2	1	1	1	1	1	1	2	2	3	3	2	2	2	2	2	2
8	1	1	1	1	1	1	3	8	9	4	3	2	2	1	2	2	2	2	3	2	2	2	2	2	2
9	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	4	4	3	3	3	3	3	3	3
10	3	4	4	2	2	2	3	5	6	4	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3
11	2	2	3	4	3	2	2	2	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2
12	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	1	1	1	1	2
13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2
14	1	1	1	1	1	1	1	1	2	1	1	3	3	3	3	3	3	3	3	2	2	2	2	2	3
15	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	3	3	2	2	2	2	2	3
16	4	4	3	3	2	2	3	6	5	3	2	2	2	2	2	2	4	4	4	2	2	2	2	2	2
17	1	1	1	1	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
20	1	1	1	1	1	1	3	3	3	3	3	3	2	3	3	3	4	4	3	3	2	2	2	3	2
21	2	2	2	2	2	2	3	4	4	4	3	3	2	2	2	3	3	3	2	2	2	2	2	2	3
22	2	2	2	1	2	2	2	3	3	2	2	2	1	1	2	2	2	1	1	1	1	1	1	1	2
23	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	3	2
24	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	3	3	3	2	2	1	1	1	2
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	1	2
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	3	4	3	2	2	2	2	2
28	1	1	1	1	1	1	2	3	4	4	4	3	2	2	4	4	4	4	2	2	2	2	2	2	2
29	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	1	1	2	2	2	2	2	2	3	2	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 92.2 PERCENTAGE OF DATA INVALID - 7.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	4	2	2	2	2	2	2	2
2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
4	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	3	3	2	2	2	1	1	1	2
5	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2	3	1	1	1	1	1	1	1
6	1	1	1	1	1	1	2	2	3	3	3	2	2	2	2	2	2	3	2	2	2	2	1	1	2
7	1	1	1	1	1	1	2	2	3	3	3	2	2	2	2	2	3	2	2	2	2	1	1	2	2
8	2	2	2	2	2	2	3	4	5	4	3	2	2	2	1	1	2	4	2	2	2	2	2	2	2
9	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	2	3	4	2	2	2	1	1	1	2
10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1
11	1	1	1	0	1	1	1	2	3	3	2	***	1	1	1	2	3	2	2	1	2	1	1	1	1
12	1	1	1	1	1	1	2	3	2	2	2	2	***	2	2	2	3	2	1	1	1	1	1	1	2
13	1	1	1	1	1	1	1	1	2	1	2	2	***	2	1	2	2	2	1	1	1	1	1	1	1
14	1	1	0	0	0	0	1	2	2	1	1	***	2	2	2	2	2	2	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2	3	2	2	2	2	2	3	2	2
16	2	2	2	2	1	2	2	2	2	2	2	3	2	2	2	2	2	2	3	2	2	2	2	2	2
17	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1
18	1	1	0	0	0	0	1	4	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	0	1
19	0	0	0	0	0	0	1	3	3	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
21	2	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	3	3	2	2	2	1	1	1	2
22	2	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	5	4	5	6	2
24	6	7	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	0	0	1	1	1	2	1	1	1	1	2	***	2	2	3	3	2	2	1	1	1	1	1
28	1	1	0	1	1	1	2	3	4	2	1	1	2	2	2	3	4	4	3	2	2	3	3	2	2
29	2	1	1	1	0	1	1	3	3	3	4	4	4	1	***	1	1	1	3	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	2	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2
31	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	2.2	4	11
FEB	28	2.3	3	6
MAR	31	2.0	4	9
APR	30	2.2	3	5
MAY	31	1.9	3	6
JUN	30	1.5	3	5
JUL	31	1.3	2	5
AUG	30	1.5	2	6
SEP	30	1.4	3	11
OCT	31	1.6	4	7
NOV	26	2.2	4	9
DEC	31	1.6	2	7
YEAR	358	1.8	4	11



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 AVERAGE	TOTAL
JAN	193	459	66	2	0	0	720
FEB	89	514	61	0	0	0	664
MAR	219	473	39	2	0	0	733
APR	68	614	28	0	0	0	710
MAY	255	433	42	0	0	0	730
JUN	399	299	13	0	0	0	711
JUL	514	214	7	0	0	0	735
AUG	451	235	32	0	0	0	718
SEP	500	183	26	4	0	0	713
OCT	437	246	50	0	0	0	733
NOV	171	419	73	1	0	0	664
DEC	389	331	18	0	0	0	738
YEAR	3685	4420	455	9	0	0	8569

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.8	0	0.2	0.7	1.2	1.7	2.6	3.1	3.9	4.7	11	1.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	3	2	3	3	2	2	2	2
4	2	2	2	2	2	2	2	4	7	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2	2
5	2	2	2	2	2	2	2	8	17	14	8	3	3	3	3	3	4	3	4	6	6	5	4	4	5
6	3	2	2	2	2	2	2	2	2	2	1	1	2	2	1	1	2	1	1	1	1	1	2	2	2
7	2	2	2	2	2	2	2	2	3	2	2	2	1	4	4	2	2	2	3	5	4	2	4	2	3
8	4	4	4	2	2	2	2	2	2	3	2	3	3	3	2	4	4	6	4	3	2	2	2	2	2
9	2	2	2	1	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2
10	1	1	1	1	1	2	3	2	2	2	2	2	1	1	1	2	1	1	2	1	1	1	1	1	1
11	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2
12	2	2	2	2	2	3	4	5	4	4	3	3	-	-	2	2	3	3	3	3	2	3	3	3	3
13	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	3	3	2	2	2	1	2	3	2	4	4	3	3	3	1	3	3	3	3	3	3	3	3	3	3
18	3	3	3	2	2	2	2	3	5	3	2	2	3	3	3	3	3	4	6	4	3	4	8	5	3
19	3	2	2	2	2	2	2	5	5	4	3	3	3	3	2	2	3	4	5	4	4	4	3	2	3
20	1	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	3	3	3	3	2	2	2	1	2
21	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	5	3	7	4	3	3	2
22	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	3	3	3	4	3	3	3	3	3	3
24	3	3	3	3	3	3	3	4	5	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3
25	3	3	3	3	3	5	11	14	11	6	6	6	6	3	2	2	2	2	2	1	1	1	1	1	1
26	1	1	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	2	2	4	4	3	2	1	1	1	3	3	3	4	4	4	4	3	3	3	3
31	3	3	3	3	3	3	4	4	5	4	4	4	4	4	2	2	2	2	2	2	2	1	1	1	3
MEAN	2	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	3	2	1	1	2	2	1	1	1	1	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	4	4	3	3	3	3	***	2	2	2	3	4	2	2	2	2	2
3	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	3	2	2	1	1	1	1
4	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1
5	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1
6	1	1	0	0	0	0	1	1	2	2	2	1	1	2	2	2	2	3	2	2	2	2	2	1	1
7	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
8	1	1	1	1	1	1	2	3	3	2	2	2	***	2	2	2	2	2	4	5	4	3	3	3	2
9	1	1	1	1	1	1	2	6	6	3	1	1	2	***	2	2	2	2	2	3	3	2	2	2	2
10	2	1	1	1	1	1	2	7	12	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	1	1	1	1	1	1	1
13	1	1	1	1	1	1	2	2	3	2	2	2	***	1	1	1	1	1	2	2	2	2	1	1	1
14	1	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	1	3	3	2	2	2	2	2
15	1	1	1	1	1	1	1	3	5	5	2	2	2	2	2	2	2	2	2	3	4	4	3	3	2
16	3	3	3	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2
17	2	2	2	1	1	2	2	3	3	2	2	2	2	***	2	2	2	2	2	3	2	3	2	2	2
18	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2
19	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
20	2	2	1	1	1	2	2	3	3	5	4	2	***	2	2	2	2	3	3	4	2	2	2	2	2
21	2	2	2	1	1	2	2	3	4	2	2	2	2	1	1	2	2	2	2	3	1	1	1	1	2
22	1	1	1	1	1	1	1	3	2	1	1	***	1	1	1	1	1	1	1	2	2	1	1	2	1
23	2	1	1	1	1	1	2	3	5	3	2	2	***	1	2	2	2	2	2	2	2	2	1	1	2
24	1	1	1	1	1	1	1	2	2	1	1	***	1	1	2	2	2	3	2	2	2	2	2	1	2
25	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	2	2	3	2	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
27	1	1	1	1	1	1	1	2	2	1	1	1	***	2	1	1	1	1	2	2	2	1	1	1	1
28	1	1	1	1	1	1	2	5	5	3	2	1	2	2	1	1	1	1	1	2	7	5	4	3	2
MEAN	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
2	1	1	1	0	0	0	1	2	3	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
3	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
6	1	1	1	1	1	2	3	8	4	1	1	2	***	2	2	2	2	2	3	3	4	3	2	2	2
7	2	1	1	1	1	1	2	7	2	2	1	1	1	***	1	1	1	1	2	2	1	1	1	1	2
8	1	1	1	0	0	1	1	2	3	4	4	1	1	1	1	1	1	1	1	3	3	2	2	2	2
9	2	2	2	1	2	2	2	4	5	5	4	2	2	2	2	2	2	3	3	3	2	2	2	3	3
10	2	2	2	1	2	2	2	3	2	3	2	***	3	2	2	2	2	2	2	6	5	3	4	3	3
11	4	5	4	3	2	1	2	1	2	2	2	2	2	2	2	3	2	3	3	3	2	3	2	2	2
12	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	5	4	2	2	2
13	2	1	1	1	1	1	2	5	8	2	2	2	1	1	1	2	2	1	1	1	1	2	2	2	2
14	1	1	1	1	1	1	1	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	0	0	0	0	0	1	2	1	1	0	1	1	1	1	1	1	1	0	0	1	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1
18	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	2	3	3	1	1	1	1	***	2	1	1	1	1	1	1	1	1	1	1
21	1	2	3	3	3	3	4	9	12	6	2	3	3	2	2	3	2	2	2	2	2	2	1	1	3
22	1	1	1	1	1	1	1	2	2	1	1	1	***	2	2	2	3	2	2	2	2	2	1	1	2
23	1	1	1	1	1	1	2	2	1	1	1	2	1	1	2	2	2	2	2	3	4	3	1	1	2
24	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1
26	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	2	2	2	2	2	1	1	1	1	1
28	1	1	1	1	1	1	2	2	2	2	2	2	***	2	2	2	3	3	3	3	3	2	3	2	2
29	2	2	2	1	1	1	2	2	2	1	2	2	1	1	1	2	2	2	1	2	2	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	1	1	1	1	1	1	2	4	3	1	2	2	***	2	2	2	2	2	1	1	1	1	1	1	2
MEAN	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	1	1	1.5

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	3
3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
5	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2
6	2	1	1	1	1	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	4	3	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	1	1	1
12	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
13	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	0	0	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	DATA INVALID																								
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1
23	2	3	3	2	1	1	1	1	1	2	1	1	2	2	1	1	1	2	2	2	3	4	4	3	2
24	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	1	2	1	2	3	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	3	2
26	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	3	5	3	2	1	2
27	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1.4

PERCENTAGE OF DATA VALID - 91.9

PERCENTAGE OF DATA INVALID - 8.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	2	2	1	1	
2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	
3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	2	2	3	3	4	4	3	3	3	2
7	3	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	1	1	2	1	1	1	2	1	2	1	2	1	1	1	2	2	2	1	2	2	2	2	2	1	2
9	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
11	2	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
12	1	1	1	1	1	1	3	2	1	1	....	....	2	2	2	2	2	2	1	1	1	2	3	2	2
13	2	2	2	2	2	2	1	1	2	2	2	1	3	3	2	2	3	3	3	2	1	2	2	2	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	0	0	1	1	1	0	0	0	...	...	1	1	1	1	1	2	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	2	1	1
17	1	1	1	1	1	1	2	2	1	1	1	1	...	...	1	1	1	1	1	1	1	2	1	1	1
18	1	2	2	1	1	3	3	3	3	3	2	2	3	...	2	1	2	2	2	3	5	6	3	3	3
19	1	3	2	2	2	2	5	3	3	2	2	1	1	1	1	2	2	1	2	3	5	7	4	3	3
20	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	1
22	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	3	5	4	2	2
23	1	1	1	1	1	2	2	4	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1
24	2	2	1	1	1	2	2	2	3	4	2	1	1	2	1	1	1	1	1	2	2	5	4	4	2
25	3	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	1	2	2	4	3	2	2	2
26	2	2	2	1	1	2	2	2	1	1	2	2	...	...	1	2	1	2	1	2	2	5	4	3	2
27	3	3	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2
28	4	4	2	2	2	2	3	2	2	2	2	1	1	1	1	1	1	1	1	1	3	3	4	4	2
29	2	2	1	2	1	1	2	3	1	2	2	...	...	1	1	1	1	1	1	1	3	3	3	3	2
30	2	2	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	1	2
31	1	2	2	1	1	1	1	1	1	1	1	1	...	...	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1.6

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

## UNITS - PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
2	2	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
4	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
5	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1	2	2	2	3	2	2	2
6	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3	4	3	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	1	1	1	1	1	2	2	2	2	2	1	2	1	1	1	2	2	1	2	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
11	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
12	1	2	1	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	2	3	3	3	2
13	3	2	2	2	2	2	2	2	2	2	1	2	2	2	1	1	1	2	2	2	2	3	3	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
15	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
17	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	2	2	2
18	2	2	2	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
20	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1
21	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	1
22	1	1	1	2	1	2	3	2	2	2	1	1	2	2	1	1	1	1	1	2	3	4	2	1	2
23	1	1	2	1	1	1	2	2	2	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	1	2	2	2	2	1
26	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
30	1	1	1	1	1	1	3	3	3	3	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1
31	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	2	3	2	2	1	1
MEAN	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1
3	2	2	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	1	2	1	1	2	2	2	2
4	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2
5	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
6	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	2	2	3	2	3	2	2	1
8	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	3	2	3	2	2	1
9	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1
11	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
12	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1	2	2	2	1
14	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	1	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
16	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
19	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	1	1	2	2	2	2	2	2	2
20	2	2	2	2	2	2	3	3	2	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	1	2	1	2	2
23	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2
25	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
26	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1
27	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2	1	1
28	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2
29	2	2	1	1	1	2	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2
30	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2
MEAN	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1
2	2	2	2	2	1	2	3	3	2	2	2	2	1	2	1	1	2	2	2	2	3	2	2	2	2
3	2	1	2	2	2	3	4	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1	2
4	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
5	1	1	1	1	1	2	5	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	3	1	2
10	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2
11	3	2	2	2	2	3	6	8	6	3	2	2	2	2	2	2	2	2	3	3	3	2	2	1	3
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	2	1
16	2	1	1	1	1	1	2	3	3	1	1	1	2	2	2	2	2	2	3	3	2	2	2	2	2
17	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2
18	2	1	1	1	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	3	4	4	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	4	3	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2
21	2	3	2	1	2	2	2	2	2	2	2	2	1	1	1	1	1	2	1	1	1	1	1	2	2
22	2	2	1	1	1	2	2	2	2	2	2	2	1	1	1	1	2	1	2	1	2	2	2	2	2
23	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1
24	1	1	1	0	1	1	4	4	2	1	1	1	1	1	1	2	2	2	2	2	4	3	2	2	2
25	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
26	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	2	4	3	1	1	1	1	1	1	2	1	3	8	7	6	4	2	1	2
31	1	1	1	2	2	2	2	3	2	2	2	2	2	2	2	1	1	2	2	1	1	1	1	1	2
MEAN	2	1	1	1	1	2	2	3	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - NOV 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	3	1	1	1	1	1	2	2	2	2	4	5	2	2	2	1	2
2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	2	4	3	3	2
3	3	3	2	2	2	2	3	4	4	3	2	2	2	2	1	1	1	1	3	2	2	1	1	1	2
4	2	2	2	1	1	1	2	3	2	2	2	1	1	2	1	1	1	2	4	3	1	1	1	2	2
5	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2
6	2	2	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
7	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
8	1	1	1	0	0	0	1	2	2	1	2	1	1	1	1	2	2	3	2	2	1	1	1	1	1
9	1	1	1	1	1	1	2	2	2	2	1	2	1	2	1	2	2	3	2	2	1	1	2	2	2
10	2	2	2	2	2	2	2	4	4	3	2	2	2	2	2	2	1	1	2	1	2	2	2	2	2
11	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	2	1	2	3	3	2	2	2	1
14	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	1	1	1	1	1	1	1	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
20	2	2	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1
21	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
23	3	3	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
25	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	1	1	1
28	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
29	2	2	2	2	1	1	1	2	3	3	2	2	2	3	2	2	2	2	3	2	2	2	3	3	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	1	2	2	2
MEAN	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	2	2	****	****	2	2	2	2	2	3	2	2	2	2	2	2	2	2
2	2	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	
5	1	1	1	2	1	1	1	2	2	2	1	2	1	2	2	2	2	2	2	1	1	1	2	2	
6	1	1	1	1	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	
7	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	
8	2	2	2	2	2	2	3	3	2	2	2	2	****	3	2	2	2	2	2	2	2	1	1	1	
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	1	1	1	1	1	1	1	2	2	1	1	1	2	1	1	1	1	2	1	2	2	1	1	2	
11	2	1	1	1	2	2	2	3	3	2	2	1	****	****	2	1	2	2	2	2	2	1	1	2	
12	2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
13	2	2	2	2	2	2	3	3	2	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	
14	2	2	2	2	2	2	2	2	2	2	2	2	****	****	3	3	3	3	3	3	3	3	3	3	
15	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
16	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	2	3	3	2	3	
17	2	3	2	2	2	2	2	2	2	2	3	2	****	2	2	2	2	1	1	1	1	2	1	1	
18	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	
19	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	
21	2	2	1	2	1	1	1	2	2	2	1	2	2	2	1	2	2	3	2	2	2	2	2	2	
22	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	2	
23	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	3	4	6	4	3	3	
24	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
26	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	
27	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	3	2	2	2	
28	2	2	2	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	4	3	3	2	2	2	
29	2	2	2	2	2	2	2	2	2	3	2	****	4	1	1	1	1	1	1	1	1	1	1	1	
30	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	4	3	4	
31	5	5	5	2	3	3	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE				UNITS - PARTS/MILLION	
STATION - C NO 44010 1298 REBECCA ST OAKVILLE					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	2.2	5	17	
FEB	28	1.7	2	12	
MAR	31	1.5	3	12	
APR	27	1.4	2	5	
MAY	31	1.6	3	7	
JUN	30	1.2	2	5	
JUL	29	1.2	3	8	
AUG	31	1.5	2	4	
SEP	30	1.5	2	4	
OCT	31	1.7	3	8	
NOV	28	1.7	2	5	
DEC	31	1.8	3	6	
YEAR	358	1.6	5	17	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	239	415	75	2	3	0	734
FEB	312	325	24	1	0	0	662
MAR	443	266	26	2	0	0	737
APR	441	217	4	0	0	0	662
MAY	425	288	22	0	0	0	735
JUN	517	181	9	0	0	0	707
JUL	543	154	12	0	0	0	709
AUG	384	351	2	0	0	0	737
SEP	388	322	1	0	0	0	711
OCT	307	412	18	0	0	0	737
NOV	265	414	10	0	0	0	689
DEC	300	419	15	0	0	0	734
YEAR	4564	3764	218	5	3	0	8554

## FREQUENCY DISTRIBUTION BY PERCENTILES

FREQUENCY PERCENT OF DATA VALID	MIN	10	30	FREQUENCY 50	CONCENTRATIONS DISTRIBUTION, 70	90	PERCENT 95	98	99	MAX	ARITH MEAN
97.6	0	0.1	0.5	0.9	1.4	2.0	2.6	3.4	4.0	17	1.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 48110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA MONTH - FEB 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
MEAN																									

PERCENTAGE OF DATA VALID - 47.6

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 52.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 46110		QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA												MONTH - MAR 78										MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	1	1	1	1	2	4	4	2	2	2	1	1	1	2	2	2	2	2	2	1	1	1	2
2	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	3	2	2	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	2
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3
6	2	2	2	2	2	2	4	6	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	1	1	1	1	1	2	4	4	3	2	2	2	2	2	2	2	2	2	2	3	5	3	3	3
8	2	2	2	1	1	1	2	3	5	5	4	3	2	1	1	1	1	1	1	2	2	2	2	3	2
9	2	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	2	3	4	4	4	3	3
10	2	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
11	2	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	1	1	2	1	1	2	4	8	8	5	3	2	2	3	***	2	2	2	2	2	2	2	2	2	3
14	2	2	1	1	1	2	2	3	4	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
15	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	DATA INVALID																								
17	2	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	DATA INVALID																								
20	DATA INVALID																								
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	6	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	3	2	4	10	2	2	2	8	7	2	2	2	2	2	2	2	2
26	6	1	2	2	2	2	8	11	3	2	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4
27	2	2	2	2	10	8	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2
29	3	2	1	1	1	1	2	3	3	2	2	2	10	1	1	1	2	2	2	2	2	2	2	1	2
30	2	1	1	1	1	1	2	3	3	2	2	2	10	1	1	1	2	2	2	2	2	2	2	2	2
31	1	1	1	1	1	1	2	3	3	3	2	2	1	1	***	2	2	2	2	2	1	1	1	1	2
MEAN	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 84.9

PERCENTAGE OF DATA INVALID - 15.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 46110		QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA												MONTH - APR 78										MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	2	3	2	1	1	1	1	1	2	2	2	2	2	2	3	3	2	2	2
5	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1	2	1	2	1	1	2
6	3	2	2	2	2	2	4	2	2	1	1	2	1	2	1	2	2	2	2	2	2	1	1	1	2
7	1	1	1	2	1	1	2	***	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2
9	2	2	2	2	1	1	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2
10	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	1	1	1	1	1	2	2	2	3	3	2	3	2	1	***	2	2	2	2	2	2	2	2	2	2
12	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	1	1	1	1	1	1	1	1	1	1	5	2	2	2	2	2	2	2	2	2	3	2	2	2	2
17	2	2	1	1	1	1	2	3	3	1	2	2	3	2	2	2	2	2	2	2	2	1	1	2	2
18	2	2	2	2	2	2	4	***	***	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
19	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	1	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	3	2	2	2	2	2	3	5	3	2	2	2	2	2	2	4	2	2	2	2	3	3	2	2	2
25	2	2	2	2	2	2	3	4	2	2	1	2	1	1	1	1	1	1	1	1	2	4	2	2	2
26	4	2	2	2	2	2	1	1	2	3	3	2	2	2	4	2	4	2	2	2	2	1	1	1	2
27	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	4	3	2	2
28	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	1	1	1	1	2	1	1	1	1	2	2	2	1	2	2	2	1	2	2	2	2	2	2
30	1	2	1	1	1	1	2	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	3	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	1	2
2	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
4	2	2	2	2	2	3	***	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
5	1	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	1	2
9	2	2	2	2	2	3	3	2	2	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	2
10	1	1	1	1	1	2	2	2	1	1	1	1	2	2	1	2	2	1	2	2	1	2	2	2	2
11	1	1	2	2	2	3	3	2	2	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	1	2	1	2	3	5	2	2	2	2	2	3	4	3	2	2	2	1	2	2	2	2	2
13	2	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2	2	2	3	2	2	1	1	1	2
14	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1
15	1	1	1	1	1	1	2	2	1	2	1	1	2	2	2	2	1	2	2	2	1	1	1	1	1
16	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3	2	2	1	1	2
17	1	1	1	1	1	2	4	3	2	3	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2
18	2	2	2	2	2	3	3	4	2	2	2	2	2	2	2	2	2	2	2	3	5	4	3	2	2
19	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	5	5	7	3	3	3
20	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	3	2	1	1
23	1	1	1	1	1	3	5	4	1	1	1	1	***	2	2	2	2	2	3	2	2	3	2	2	2
24	2	3	2	2	2	2	3	4	4	4	2	1	2	2	2	2	2	5	2	3	5	4	2	2	3
25	2	2	1	1	2	2	3	3	2	2	2	1	2	2	2	2	2	2	2	3	2	3	2	2	2
26	2	2	2	1	2	2	3	3	2	2	2	1	2	1	2	1	2	2	2	2	2	2	4	6	2
27	5	3	2	2	3	2	2	2	2	3	2	3	4	2	2	2	2	2	2	3	3	3	3	3	3
28	3	3	3	2	2	2	2	2	2	2	2	2	2	4	3	2	2	1	2	2	4	3	2	2	2
29	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	***	***	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2
31	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	1	1	2	1	1	1	2
MEAN	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	***	5	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	4	3	3	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	1	2	2	2	2	1	2
6	1	1	1	1	2	2	3	2	2	1	2	2	1	1	1	1	1	1	1	1	1	2	2	1	2
7	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2
8	2	2	2	2	2	3	3	3	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	1	2
9	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	2	2	1	2	4	3	2	1	1	1	1	1	1	1	2	2	2	1	2	2
11	2	2	2	3	2	2	3	2	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	2
12	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
13	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
14	2	2	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2
17	1	2	1	1	1	2	2	2	2	2	3	2	2	3	2	2	2	2	1	1	2	2	2	3	2
18	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	2	3	3	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2
20	2	1	1	1	1	2	3	3	2	2	2	6	4	2	2	2	2	2	2	2	2	3	5	4	2
21	4	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
22	2	1	1	1	1	2	2	2	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	1	2
23	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	2	2	3	6	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	4	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	3	3	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
28	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	***	2	2	2	2	2	2	2	1	2
30	1	1	1	1	1	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1	1	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	2	2	2	2	1	1	2	1	2	1	1	1	1	1	1	2	2	3	2	2	2
2	2	2	2	2	2	2	2	1	2	1	2	1	1	2	2	2	2	1	2	2	2	2	2	1	2
3	2	2	1	1	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	1	2	2	2	2	2	2	2	1	1	1	2	***	2	2	2	2	2	2	3	2	2	2	2
5	2	2	2	2	2	3	3	2	2	3	4	1	2	3	3	2	2	2	2	2	2	2	3	3	2
6	2	1	1	1	1	2	2	2	1	2	1	2	2	***	2	2	2	2	2	2	2	2	2	2	2
7	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2
8	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	2	2	2	1	1	1	2	2	2	2	2	1	1	1	2	1	1	1	1
12	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	1
13	2	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
14	2	1	1	1	1	2	2	2	2	1	2	2	2	2	7	5	4	2	2	2	2	2	2	2	2
15	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
16	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2
17	1	1	1	1	1	2	3	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	2	2	2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	2	3	1
19	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
20	3	2	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	3	3	2	3	2	2	2	2	2	2	2	2	3	3	3	3	2	2
22	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
24	2	1	1	1	2	2	3	3	2	3	4	2	3	2	2	2	2	2	2	2	2	2	2	2	2
25	3	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
26	2	1	1	1	2	2	2	2	2	1	2	2	1	2	2	2	2	2	2	2	1	1	1	1	2
27	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	1	2	2	2	2	2	1	1	1	1
28	1	1	1	1	1	2	2	***	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
29	1	2	2	2	1	1	1	2	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
31	3	2	1	2	2	3	2	2	2	2	2	2	2	***	2	1	2	2	2	2	2	3	3	2	2
MEAN	2	1	1	1	1	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	3	3	2	2	2	2	3	2	2	2	2	2	2	2	3	3	4	3	2
2	2	2	2	2	2	2	3	3	2	2	3	4	4	3	2	2	2	2	2	2	2	2	2	2	2
3	1	1	1	1	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2
4	1	1	1	1	1	2	2	2	2	2	2	3	3	3	1	2	3	2	1	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	3	1	1	2	2	2	1	2	3	4	3	2
6	2	2	2	2	2	2	2	2	2	2	1	2	2	3	1	1	1	2	2	1	2	3	4	3	2
7	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
8	3	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
10	1	1	1	1	1	2	3	2	2	2	2	2	1	1	2	2	2	2	2	1	2	2	4	5	2
11	2	2	2	2	2	3	4	4	2	1	1	2	3	5	4	1	1	1	1	2	2	3	3	2	2
12	2	2	1	1	2	2	2	2	2	2	2	2	3	1	2	2	2	2	2	2	2	2	2	2	2
13	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2
14	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	2
15	4	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
16	2	2	1	1	2	2	2	2	2	1	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2
17	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2	1	1	2	2	2	2	1	1	2	2
18	2	2	2	2	1	2	3	4	3	2	3	1	2	1	1	1	2	2	2	1	1	1	1	1	1
19	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	4	7	6	5	4	4	4	3	3	3	3	3	3	3	5	6	6	5	4	4
22	2	2	2	2	2	3	4	5	4	2	6	5	6	2	2	2	2	2	2	4	4	3	2	2	3
23	1	1	1	1	2	4	4	4	3	2	3	2	2	3	2	2	2	2	2	3	3	2	2	1	2
24	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
25	1	1	1	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	1	1	1	1	1	1	2	2	1	2	2	2	1	2	2	1	2	2	3	2	2	2	2	2	2
27	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
28	1	1	1	1	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2
29	1	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	4	3	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2
31	2	2	2	2	2	4	4	4	3	2	2	2	2	2	2	2	2	2	3	3	4	3	3	2	3
MEAN	2	2	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	3	3	2	2	2	2	2	2	3	4	2	2	2	2	3	2	2	2	1	2
2	1	1	1	1	1	2	2	2	1	***	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2
3	2	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	3	3	3	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2
6	2	1	1	1	2	2	2	3	2	2	2	1	1	1	2	2	2	2	2	2	1	2	1	1	2
7	1	1	1	1	1	2	2	2	2	2	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2	2	2	2
9	2	1	1	1	1	1	2	1	2	2	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	1	2	2	3	4	3	2
11	2	2	2	2	2	4	6	7	2	5	2	2	2	2	2	2	2	2	2	3	2	2	1	1	3
12	1	1	1	1	1	2	3	2	2	2	2	2	***	1	1	1	1	1	2	2	2	1	1	1	1
13	1	1	1	1	1	2	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	2	2	2	2	2	2	2	2	2	***	2	2	2	2	1	1	1	2	1	2
15	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1
16	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1	1
18	1	1	1	1	1	1	2	1	1	1	1	1	***	2	2	2	1	1	2	2	2	2	2	1	1
19	1	1	1	1	1	2	3	4	2	2	2	2	2	2	1	1	1	1	1	2	2	1	2	3	2
20	2	2	2	1	1	2	4	5	3	2	1	1	2	2	1	2	***	2	2	2	2	3	3	3	2
21	3	3	3	3	3	5	8	15	3	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	3
22	1	1	1	1	1	2	2	2	2	2	2	2	***	2	2	2	2	3	3	4	2	2	2	2	2
23	2	1	1	1	1	2	2	2	2	2	1	2	1	1	2	1	1	1	2	2	2	3	4	3	2
24	3	3	2	2	2	2	2	2	2	1	1	2	2	2	2	2	1	2	2	2	2	2	1	1	2
25	1	1	1	1	1	2	3	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	1	1	1	1	2	3	4	5	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1
28	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
29	2	2	1	1	2	3	6	6	3	3	***	1	2	2	2	2	2	2	2	2	1	1	2	2	2
30	3	4	3	2	2	3	4	5	4	2	1	1	2	2	2	2	2	2	2	2	1	1	1	1	2
MEAN	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
2	1	1	1	1	1	3	5	3	3	2	1	2	2	2	2	2	2	2	2	3	4	4	4	3	2
3	3	3	3	3	3	1	2	2	2	2	2	2	2	2	2	2	2	***	2	2	2	2	2	2	2
4	1	1	1	1	1	2	3	5	2	2	2	1	1	1	2	2	2	2	2	3	3	2	2	1	2
5	2	2	1	1	2	2	5	9	5	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	1	1	1	1	2	2	2	2	1	1	2	2	***	2	2	2	2	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	4	4	2	2	2	2	2	2	2	3	2	2	***	3	2	2	2	2	2
11	2	2	2	2	2	3	7	12	3	2	2	2	2	2	2	3	3	3	3	3	2	3	2	2	3
12	2	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	***	2	2	2	2	2	2
13	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	3	2	3	3	2	3	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	3	2	3	3	3	2	2
16	2	2	1	1	1	2	4	4	3	2	2	1	1	1	2	2	2	2	4	4	3	3	2	2	2
17	2	1	1	1	1	2	4	5	4	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
18	2	2	2	2	2	4	5	3	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2
19	2	2	2	1	2	3	5	5	3	2	***	2	2	2	2	2	2	2	2	2	2	1	1	1	2
20	1	1	1	1	1	2	4	4	2	2	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2
21	2	2	1	1	1	2	3	6	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	1	1	1	1	2	2	3	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	1	2	4	7	4	2	2	2	1	1	1	1	1	2	2	2	2	2	3	4	2
25	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	***	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	4	6	5	4	1	2
29	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	4	***	***	9	6	3	2
30	1	1	1	1	1	1	1	4	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
31	2	2	2	2	2	2	2	3	4	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 46110		QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA												MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	5	5	4	2	2	1	1	1	1	1	2	***	5	6	3	2	2	2
2	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	3	3	2	2	4	2
3	4	3	3	2	2	2	3	8	10	6	4	3	2	2	2	2	2	2	2	3	4	3	3	3	3
4	3	2	3	3	3	3	3	3	3	4	3	3	3	2	2	2	2	2	2	3	2	2	2	2	3
5	3	3	3	3	3	3	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	3	3	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2
7	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	3	4	3	2	2	2	2	2
8	2	1	1	1	1	1	2	4	6	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	***	2	2	2	2	2
10	2	2	2	2	2	2	2	2	5	8	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2	2	2	2	2	2	2
12	2	2	2	2	1	1	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2
13	2	1	1	1	1	2	2	4	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2
15	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3	3	2
16	2	2	2	2	1	1	3	5	6	2	2	1	2	2	2	2	2	2	***	2	2	2	2	1	2
17	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
18	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	2
19	2	2	2	2	2	2	2	2	2	2	2	2	***	1	2	2	2	2	2	2	2	2	2	1	1
20	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	1	2	2	2	2	1	2
21	1	1	1	1	1	1	2	3	4	3	2	2	2	2	2	2	2	2	***	2	2	2	2	2	2
22	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	***	2	2	2	2	2	2
24	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	1	1	1	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	1	1	2	2	2	2	2	1	2	1	1	2	3	4	3	3	2	2	2	2	2
27	1	1	1	1	1	1	2	5	6	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	1	1	2	2	2	2	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2
30	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2.1

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - C NO 46110		QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA												MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	1	1	1	1	1	1	1	2	2	***	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2
3	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
4	2	1	1	1	1	1	2	2	2	1	1	2	1	1	1	1	1	***	1	1	1	1	1	1	1
5	1	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
6	1	1	1	1	1	1	3	5	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	3	2
7	1	1	1	1	1	1	3	5	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2
8	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	1	1	1	1	1	2	1	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	***	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
13	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
14	1	1	1	1	1	1	2	4	3	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2
15	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	1	1	1	1	1	2	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	2	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	1	1	1	1	1	1	2	4	4	3	2	2	2	2	2	2	2	2	2	1	2	1	1	1	2
19	2	2	1	1	1	1	2	3	3	***	3	4	5	6	2	2	2	2	2	2	2	2	2	3	2
20	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	1	1	1	1	2	2	1	1	1	2	2	1	1	2	2	2	2	2	2	2	2	1	2
22	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
23	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	7	6	7	5
24	6	5	5	2	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	1	1	1	1	1
25	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	2	2	2	2	3	3	3	3	2	2
28	1	1	1	1	1	1	2	4	4	3	2	2	2	2	2	2	2	2	2	1	2	1	1	1	2
29	2	2	1	1	1	1	2	3	3	***	3	4	5	6	2	2	2	2	2	2	2	2	2	3	2
30	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
31	3	3	3	2	3	2	2	4	3	2	3	4	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB	13	1.3	2	4
MAR	25	2.1	4	11
APR	30	1.8	3	5
MAY	31	1.9	3	7
JUN	30	1.9	2	6
JUL	31	1.6	2	7
AUG	31	2.0	4	7
SEP	30	1.7	3	15
OCT	31	2.1	3	12
NOV	30	2.1	3	10
DEC	31	1.8	3	7
YEAR	313	1.9	4	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	DATA UNAVAILABLE						
FEB	242	74	4	0	0	0	320
MAR	130	465	33	4	0	0	632
APR	223	473	16	0	0	0	712
MAY	187	524	28	0	0	0	739
JUN	177	526	12	0	0	0	715
JUL	332	402	6	0	0	0	740
AUG	170	526	43	0	0	0	739
SEP	309	379	22	0	1	0	711
OCT	134	561	37	3	0	0	735
NOV	133	541	35	1	0	0	710
DEC	285	432	21	0	0	0	738
YEAR	2322	4903	257	8	1	0	7491

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
93.5	0	0.3	1.0	1.3	1.7	2.1	2.8	3.7	4.6	15		1.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION											
STATION - SE NO 51001															MONTH - JAN 78											
MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA																										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	4	7	7	5	3	
3	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	1	1	1	1	1	1	1	1	2	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	1	
8	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	1	1	1	0	1	....	1	1	0	1	0	0	1	1	0	0	0	0	0
12	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	2	3	5	4	1	
13	1	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	3	3	2	2	2	1	
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
17	1	1	0	0	0	0	0	1	2	1	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	....	2	2	3	3	1	1	
19	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	
22	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	
24	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	0	1	1	1	1	1	
25	1	1	0	0	0	1	1	4	4	3	....	....	....	1	1	1	1	1	1	1	1	1	1	1	1	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
30	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	
31	1	1	1	1	1	1	1	3	2	1	1	1	....	1	1	1	1	2	2	2	3	4	3	3	2	
MEAN	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0.6	

PERCENTAGE OF DATA VALID - 98.9      PERCENTAGE OF DATA INVALID - 1.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. .. INDICATES DATA IS UNAVAILABLE  
 3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SE NO 51001					MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA										MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	2	3	3	2	1
9	1	1	0	0	0	0	0	0	0	0	.....	.....	.....	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	0	0	1	1	2	1	0	1	1	1	1	1	1	1	1	1	1	3	4	2	1
11	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	1	1	1	1	2	3	2	2	2	1
14	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
15	2	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1	2	3	3	3	3	4	3	4	2
16	3	2	1	1	1	1	1	2	2	2	1	2	1	2	2	1	1	2	2	2	1	1	1	1	1
17	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
18	2	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	4	5	6	2	2	1	1	1	1	1	1	1	2	2	1	2	2	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
24	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	1
26	1	0	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	DATA INVALID																								
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 94.5      PERCENTAGE OF DATA INVALID - 5.5      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. .. INDICATES DATA IS UNAVAILABLE  
 3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SE NO 51001															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																- DATA INVALID -									
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	1	1	1	1	1	2	1	.....
3	1	2	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	1	1	0	0	0	0	0	.....	.....	1	1	1	1	1	0	0	0	0	0
7	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0
8	0	0	0	0	0	0	1	2	3	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1
9	0	1	1	1	1	1	1	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	2	1	0	0	0	0	0	1	1	2	1	2	2	2	1	1	2	1
11	2	2	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	3	5	4	1
13	2	1	1	1	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	1	2	1	1	0	.....	.....	.....	.....	1	2	3	2	1	1	1	1	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1
17	1	1	1	0	0	1	1	2	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
18	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	1	1	.....	.....	.....	.....	1	1	1	1	1	1	1	0	1	1
21	0	0	0	0	0	0	1	1	1	1	1	1	.....	.....	.....	1	2	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	1	1	0	0	0	.....	.....	.....	0	1	1	1	2	2	1	1	1	1
23	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	2	1	1	1	0	0	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
25	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
26	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	.....	.....	.....	.....	1	1	1	1	0	1	0	1	1	0
30	1	1	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	2	2	1	1	0	1
31	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0.5

PERCENTAGE OF DATA VALID - 94.2 PERCENTAGE OF DATA INVALID - 5.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SE NO 51001															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	1	1	1	1	1	2	2	2	1	0	1	0	0	0	0	0	0	0	1
2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1
5	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	2	1	1	1	1	1
7	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0
9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	2	1	1	1
11	1	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	2	3	3	1	0	0	0	0	1
12	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0
13	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
17	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
18	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0
19	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0
21	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	0
22	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
23	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
24	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0
27	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0.4

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - SE NO 51001		MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA												MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	1	1	1	2	3	1	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1
12	0	0	0	0	0	0	1	2	1	1	1	1	1	0	1	2	3	1	1	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	3	1	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0
23	1	1	0	0	0	0	1	2	4	1	0	0	0	0	0	1	0	1	1	1	1	1	2	2	1
24	3	2	1	1	0	0	1	1	2	2	1	1	0	0	0	0	0	0	0	1	2	4	3	1	1
25	1	1	1	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	1	3	1	0	0
26	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	2	1	1	1	1	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1
28	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
29	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
30	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	0
31	2	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0.4

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE		UNITS - PARTS/MILLION																							
STATION - SE NO 51001		MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA												MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
11	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS • PARTS/MILLION

STATION - SE NO 51001

MCDONALD GDN RIDEAU/WURTEMBURG ST. OTTAWA

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	1	1	1	0
5	1	1	0	0	0	0	1	2	1	0	0	...	0	0	1	0	0	0	1	1	1	2	1	0	1
6	0	0	0	0	0	1	2	2	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0
7	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
8	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
10	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0
12	0	0	0	0	0	0	0	0	0	0	...	-	0	0	0	0	0	0	0	1	1	0	0	1	0
13	0	0	0	0	0	0	1	1	0	0	0	1	1	0	1	1	1	1	1	1	1	1	0	1	0
14	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	...	...	...	1	0	0	0	1	0	1	1	1	1	1	1	0	0	0
20	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
25	0	0	0	0	0	0	1	1	1	...	...	0	0	0	0	0	0	0	0	1	1	1	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0	0	0
28	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	1
29	2	1	1	1	1	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
31	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0.2

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. " " INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SE NO 51001

MCDONALD GDN RIDEAU/WURTEMBURG ST, OTTAWA

MONTH - AUG 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
2	1	1	1	0	0	0	1	1	1	1	0	1	0	0	1	1	1	1	1	2	2	1	1	1	1
3	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	1	1
4	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1	1	0	1
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
7	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0
9	1	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	1	1	1	1	1	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
11	0	1	0	0	1	1	1	1	2	1	1	1	0	1	1	1	1	1	1	2	2	2	2	2	1
12	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	2	2	2	1	1	1
13	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	1	2	2	0
15	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1
16	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
19	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	1	3	2	1	1	1
22	0	1	0	0	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0
25	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	0
26	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
29	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	2	1	1
30	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1
31	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
MEAN	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	1	1	1	1	1	1	0.4

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    " " INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	5	2	2	2	1
2	3	3	2	1	1	1	1	1	0	0	1	0	1	1	0	0	0	0	0	1	1	1	1	1	1
3	1	0	0	0	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
5	1	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
6	1	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	1
7	0	0	0	1	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1
8	5	5	3	4	3	5	13	19	12	13	****	0	0	0	0	0	0	0	0	1	1	0	1	0	4
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	3	1	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	0
14	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
20	0	0	0	0	0	1	2	5	5	3	****	2	1	1	2	2	1	1	2	1	1	0	0	0	1
21	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0
23	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0
24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	1	2	2	1	****	0	0	0	1	1	1	1	0	0	0	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	4	1	2	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
3	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	0	1	1	1	0	0	1	0	0	0
4	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	1	0	0	0	****	0	0	0	0	0	0	0	0	0	0	1	2	1	0
11	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
12	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
16	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
17	0	0	0	0	0	1	1	2	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1
18	0	0	0	0	0	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1
19	0	0	0	0	0	0	1	1	1	2	0	****	0	0	0	1	1	1	1	1	1	1	1	1	1
20	1	0	0	0	0	1	2	3	2	2	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
21	1	0	0	0	0	0	1	1	2	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	1	1	1	2	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	1	2	3	2	****	1	1	1	1	1	1	2	1	2	3	0	0	0	0	1
26	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0
27	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	3	1	1	1	3	2	1	0	1
28	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3	2	2	0
30	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
31	1	1	0	0	0	0	1	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE																UNITS - PARTS/MILLION											
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA																MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	1	0	0	0	0	0	1	1	2	2	1	1	0	0	0	1	2	2	1	1	1	1	1	1	1		
2	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	1	1	2	2	3	7	7	11	7	2		
3	2	1	1	1	1	1	1	3	3	2	3	***	-	-	-	-	-	-	-	-	-	-	-	-	*****		
4																-	DATA UNAVAILABLE	-									
5																-	DATA UNAVAILABLE	-									
6																-	DATA UNAVAILABLE	-									
7																-	DATA UNAVAILABLE	-									
8																-	DATA UNAVAILABLE	-									
9																-	DATA UNAVAILABLE	-									
10																-	DATA UNAVAILABLE	-									
11																-	DATA UNAVAILABLE	-									
12																-	DATA UNAVAILABLE	-									
13																-	DATA UNAVAILABLE	-									
14																-	DATA UNAVAILABLE	-									
15																-	DATA UNAVAILABLE	-									
16	-	-	-	-	-	-	-	-	-	-	1	0	0	0	0	0	1	2	7	4	5	4	****	****	*****		
17																-	DATA INVALID	-									
18																-	DATA INVALID	-									
19																-	DATA INVALID	-									
20																-	DATA INVALID	-									
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	2	2	2	3	4	2	*****		
22	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1		
23	1	1	1	1	1	1	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1		
24	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1		
25	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
26	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
27	1	0	0	0	0	0	0	1	1	0	0	***	***	1	1	1	0	0	0	0	0	0	0	0	0		
28	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1		
29	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	0	0	1		
30	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	1	1	1	1	1	1	1	1	1	0		
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1.1		

PERCENTAGE OF DATA VALID - 40.3

PERCENTAGE OF DATA INVALID - 16.7

PERCENTAGE OF DATA UNAVAILABLE - 43.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE																UNITS - PARTS/MILLION									
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA																MONTH - DEC 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	4	3	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1
2	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
4	0	0	0	0	0	0	1	1	1	2	3	3	1	0	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
6	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	2	1	1	0	0	1	0	0	1
7	0	0	0	0	0	0	1	1	2	1	0	0	***	0	1	1	1	0	0	0	0	0	1	0	0
8	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	1	0	1
9	0	0	0	0	0	0	0	0	0	1	0	***	1	1	1	1	1	1	1	1	1	1	1	1	1
10	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	1	1	0	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	2	1	2	3	4	5	3	3	3	3	4	5	2	2	2	2	2
12	4	2	1	1	1	1	2	1	1	1	1	1	1	2	2	2	3	2	1	1	1	1	1	1	2
13	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	***	***	0	0	0	1	1	2	3	2	2	1	1	1	1
15	1	0	0	0	0	0	0	1	1	3	4	3	2	2	1	1	2	2	1	1	1	0	1	1	1
16	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	3	3	2	2	2	1	1	1	1
17	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	0	0	0	0	0	0	1	1	1	***	***	1	1	1	1	1	1	2	1	1	1	1	1	1
21	0	0	0	0	0	0	1	2	4	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	0	1	1	2	5	6	4	4	2	2	1	1	1	1	1	1	1	1	1	1	2
23	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
25	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	6	5	3	2
30	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	1	2	1
MEAN	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBURG ST, OTTAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.6	2	7
FEB	26	1.0	2	6
MAR	29	0.5	1	5
APR	30	0.4	1	3
MAY	31	0.4	1	4
JUN	30	0.3	1	2
JUL	31	0.2	1	2
AUG	31	0.4	1	3
SEP	30	0.5	4	19
OCT	31	0.4	1	3
NOV	11	1.1	2	11
DEC	31	0.9	2	6
YEAR	342	0.5	4	19

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBURG ST, OTTAWA

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	688	37	11	0	0	0	736
FEB	558	68	9	0	0	0	635
MAR	664	34	3	0	0	0	701
APR	701	14	0	0	0	0	715
MAY	693	38	2	0	0	0	733
JUN	702	4	0	0	0	0	706
JUL	730	7	0	0	0	0	737
AUG	703	27	0	0	0	0	730
SEP	679	26	8	3	1	0	717
OCT	702	37	0	0	0	0	739
NOV	243	38	8	1	0	0	290
DEC	650	73	15	0	0	0	738
YEAR	7713	403	56	4	1	0	8177

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

CONCENTRATIONS

FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH  
MEAN

93.3

0

0.0

0.0

0.0

0.4

0.9

1.2

1.9

2.8

19

0.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE															UNITS - PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - JAN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
3	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
4	1	1	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
6	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
7	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	2	3	2	1	1	1	1	1	1
9	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	0	0	0	0	1	0	1
10	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
11	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
12	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	1	4	2	1
13	1	1	1	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	6	6	3	2	1	1
17	1	1	1	2	2	1	2	5	9	6	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2
18	1	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	1	1	1	1	1	1	1	2	1
19	1	1	1	0	0	0	1	2	3	1	1	2	1	1	1	1	2	2	2	2	4	5	2	2	2
20	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
23	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1	1
25	0	0	0	0	0	0	1	1	4	4	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1
26	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
27	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
28	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	- DATA UNAVAILABLE -																								
MEAN	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 94.0 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 5.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION															
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL												MONTH - FEB 78															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	- DATA UNAVAILABLE -																										
2	- DATA UNAVAILABLE -																										
3	- DATA UNAVAILABLE -																										
4	- DATA UNAVAILABLE -																										
5	- DATA UNAVAILABLE -																										
6	- DATA UNAVAILABLE -																										
7	- DATA UNAVAILABLE -																										
8	- DATA UNAVAILABLE -																										
9	- DATA UNAVAILABLE -																										
10	- DATA UNAVAILABLE -																										
11	- DATA UNAVAILABLE -																										
12	- DATA UNAVAILABLE -																										
13	-	-	-	-	-	-	-	-	-	****	****	1	1	1	1	1	1	1	2	2	2	2	1	3	*****		
14	*****											-	2	1	1	0	0	1	1	1	4	6	2	1	1	0	*****
15	0	1	1	2	2	2	3	6	7	2	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2		
16	2	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	1	0	1		
17	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0		
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0		
19	0	0	0	0	0	0	0	1	1	****	1	1	0	0	0	0	1	1	1	0	0	0	0	1	0		
20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1		
21	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0		
22	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0		
23	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	1	1	1	1	1	0		
24	1	1	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0		
25	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0		
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0		
27	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0		
28	0	0	0	0	0	1	2	3	2	****	****	1	1	1	1	1	1	1	1	1	2	3	3	2	1		
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6		



POLLUTANT - CARBON MONOXIDE																UNITS - PARTS/MILLION									
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL																MONTH - MAY 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
2	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0
5	1	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	0
11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0
12	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
24	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE																UNITS - PARTS/MILLION									
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL																MONTH - JUN 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0
15	0	0	0	1	0	1	1	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY









ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	0.8	2	9
FEB	13	0.6	2	7
MAR	31	0.8	1	4
APR	28	0.4	1	3
MAY	31	0.1	1	1
JUN	30	0.1	0	1
JUL	29	0.1	0	1
AUG	30	0.3	1	3
SEP	30	0.2	2	5
OCT	31	0.3	1	5
NOV	30	0.9	3	13
DEC	31	1.2	2	5
YEAR	343	0.5	3	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	634	55	9	1	0	0	699
FEB	313	32	4	0	0	0	349
MAR	719	22	1	0	0	0	742
APR	669	14	0	0	0	0	683
MAY	732	0	0	0	0	0	732
JUN	715	0	0	0	0	0	715
JUL	712	0	0	0	0	0	712
AUG	716	5	0	0	0	0	721
SEP	708	6	3	0	0	0	717
OCT	710	22	3	0	0	0	735
NOV	639	58	16	3	0	0	716
DEC	546	187	7	0	0	0	740
YEAR	7813	401	43	4	0	0	8261

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.3	0	0.0	0.0	0.0	0.3	0.9	1.1	1.8	2.4	13	0.5











## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
8	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0
10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
11	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	1	1	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1	1	****	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1
21	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1
22	1	1	1	1	1	1	1	1	1	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
5	0	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
9	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1
11	1	0	0	0	0	1	2	3	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1
16	0	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	0	0	1	1	1	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1	0	0	0	0	1
20	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	0	0	0	1	1	1	3	4	1	1	1	1	1	0	0	0	1	1	2	2	2	1	1
22	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	1	2	1	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0
29	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
30	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
MEAN	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE												UNITS - PARTS/MILLION													
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY												MONTH - NOV 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	3	0
3	3	2	2	2	1	1	1	1	2	2	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0
8	0	0	0	0	0	0	0	0	1	1	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
13	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	2	2	2	2	1	1	1	1
17	1	0	0	0	0	0	0	0	1	1	1	1	2	1	1	2	2	2	2	1	1	0	0	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	0	0	1	1	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0
21	0	0	0	0	0	1	0	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1
22	1	1	1	0	0	0	1	2	3	4	2	1	0	0	0	0	2	1	1	1	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	2	1	1	1	1	1	0	0	1	1
24	2	1	0	1	0	0	0	1	1	1	1	1	***	0	1	1	1	1	1	0	1	0	0	1	1
25	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0
26	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
27	0	0	0	0	0	0	0	0	0	1	1	1	***	1	1	1	1	1	1	0	0	0	0	1	0
28	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	2	3	1	1	1	1	1	1
29	0	0	0	0	0	0	0	1	1	1	0	***	0	0	0	0	1	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	4	2	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0.4

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE														UNITS - PARTS/MILLION											
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	
2	1	1	1	1	2	1	0	1	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1
3	1	2	2	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	1	1	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
7	1	1	2	2	2	1	1	2	4	4	2	1	1	1	1	1	1	1	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	1	1	2	3	2	1	1	1	1
9	1	1	1	1	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	1	1	***	1	1	0	0	1	2	1	1	1	1	1	0	1
12	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	1	1	0	0	0	0	***	0	1	0	0	0	0	0	0	0	0
14	1	0	0	0	0	0	0	2	3	2	1	1	1	1	2	1	2	2	1	1	1	1	1	1	1
15	1	1	1	1	0	0	1	1	3	5	3	***	1	1	1	1	1	1	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	1	1	3	3	2	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	0	0	0	0	0	0	0	1	1	1	0	***	0	1	1	0	1	1	0	0	0	1	0	0
19	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1
20	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	0	1
21	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	2	1
22	1	1	1	0	0	0	0	1	1	2	2	***	2	1	1	1	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	4	1
24	3	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	1	0	0	0
27	1	1	1	0	0	0	0	1	1	1	***	1	0	0	1	0	1	1	1	1	1	1	1	1	1
28	1	1	0	0	0	0	0	1	1	1	1	1	1	0	1	2	3	4	4	4	4	3	3	2	2
29	2	2	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	0.5

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.7	2	6
FEB	28	0.8	3	5
MAR	28	0.6	1	5
APR	30	0.3	1	6
MAY	31	0.2	1	2
JUN	30	0.1	1	2
JUL	31	0.1	0	2
AUG	31	0.1	0	2
SEP	30	0.2	1	2
OCT	31	0.3	1	4
NOV	30	0.4	1	4
DEC	31	0.5	2	5
YEAR	360	0.3	3	6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY

MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 & OVER	TOTAL
JAN	660	53	17	0	0	0	730
FEB	535	57	24	0	0	0	616
MAR	649	40	2	0	0	0	691
APR	705	8	1	0	0	0	714
MAY	728	5	0	0	0	0	733
JUN	705	2	0	0	0	0	707
JUL	731	2	0	0	0	0	733
AUG	730	3	0	0	0	0	733
SEP	706	4	0	0	0	0	710
OCT	713	21	1	0	0	0	735
NOV	682	28	3	0	0	0	713
DEC	688	39	8	0	0	0	735
YEAR	8232	262	56	0	0	0	8550

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.6	0	0.0	0.0	0.0	0.0	0.7	0.9	1.7	2.5	6	0.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)														UNITS - 0.1 PARTS/MILLION										
		STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - JAN 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		2	2	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	3	2	3	3	3
2		2	2	2	2	1	1	2	2	2	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2
3		2	1	1	1	1	1	2	2	1	1	1	1	2	2	2	2	3	3	2	2	2	2	1	0	4
4		1	1	1	2	1	1	1	1	1	2	-	-	1	1	1	1	1	0	0	0	1	1	0	4	1
5		1	1	1	1	1	1	2	4	7	5	4	2	2	3	3	4	3	2	2	2	3	3	2	2	3
6		1	1	1	0	0	0	0	1	0	1	1	1	1	0	1	0	0	1	0	0	1	1	1	1	1
7		1	1	2	0	0	0	1	1	1	1	1	2	2	1	2	1	2	1	2	2	2	3	3	4	2
8		6	4	1	1	1	0	1	0	1	1	1	1	1	2	2	2	2	3	3	3	2	2	2	1	2
9		0	0	1	1	0	0	1	1	2	3	2	2	2	2	2	1	2	2	2	1	1	1	2	2	1
10		1	1	1	1	1	1	1	1	2	1	1	1	1	-	1	1	1	1	0	1	1	1	1	1	1
11		1	1	1	1	0	0	1	1	0	0	1	1	0	1	1	0	0	1	1	1	1	0	0	1	1
12		1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	2	2	3	2	2	2	0	1	2	1
13		1	1	0	0	0	0	1	2	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	1
14		1	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
15		1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	1	1	1	1	1	1
16		1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3	3	3	2
17		3	3	2	2	3	4	4	6	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
18		6	6	7	7	7	8	10	8	6	5	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4
19		1	1	2	2	2	2	2	3	3	2	2	2	3	3	4	3	5	4	4	4	4	4	4	4	4
20		4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5	4
21		4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
22		2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	2	3
23		4	3	2	3	3	3	3	3	3	3	3	2	2	3	2	3	3	4	4	5	5	6	5	6	4
24		2	3	2	3	3	3	3	3	3	3	2	2	2	3	2	3	3	4	4	4	4	3	3	3	3
25		2	2	2	2	2	2	3	4	4	4	4	4	3	3	3	3	4	4	4	3	2	1	1	1	3
26		2	2	2	2	3	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2
27		2	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	3	1	1	1	1	1	1	1
28		1	1	1	1	1	2	2	2	2	4	3	3	3	3	2	3	3	3	3	3	3	2	2	2	2
29		2	2	2	2	1	1	1	1	1	2	2	2	3	3	3	3	3	3	2	2	3	3	2	2	2
30		2	2	2	2	2	2	2	3	3	3	4	3	3	2	2	3	3	3	3	2	3	3	3	3	3
31		3	3	3	2	2	2	2	2	3	3	2	2	2	2	3	3	3	3	3	3	2	1	2	2	2
MEAN		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 95.3 PERCENTAGE OF DATA INVALID - 4.3 PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)															UNITS - 0.1 PARTS/MILLION												
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	1	1	1	2	2	2	3	3	3	2	2	2	1	****	3	4	4	4	5	5	5	5	4	5	3		
2	5	5	6	5	6	6	6	6	6	5	5	5	6	6	6	6	6	5	5	5	5	5	5	5	6		
3	5	5	5	4	3	3	3	3	3	2	3	3	3	3	3	3	4	4	3	3	4	4	3	3	3		
4	2	2	3	3	3	2	2	3	3	2	2	3	3	3	3	2	3	3	3	5	5	7	9	7	3		
5	4	3	3	3	3	3	4	4	5	4	4	3	3	3	3	3	3	2	2	2	2	3	3	3	3		
6	3	3	3	3	3	3	3	3	2	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3		
7	3	3	3	3	2	2	2	3	2	2	2	2	2	2	2	3	3	3	2	3	2	2	2	2	2		
8	2	2	1	1	1	1	1	1	1	2	1	2	2	2	2	3	2	4	3	4	6	4	3	3	2		
9	3	4	3	2	2	2	2	3	4	3	2	5	4	4	3	4	3	4	4	4	3	5	5	6	4		
10	6	5	5	5	5	5	6	6	6	5	5	5	5	6	6	7	7	8	7	7	7	7	7	7	6		
11	7	7	7	7	6	6	6	6	7	7	6	6	7	7	6	6	6	5	5	5	5	6	6	5	6		
12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	5	5	5	5	5		
13	5	5	5	5	5	5	6	5	5	5	4	4	5	4	4	4	3	4	3	3	3	3	3	3	4		
14	3	3	3	3	2	2	3	3	3	2	2	2	3	2	2	3	3	4	4	5	7	5	4	4	3		
15	4	4	4	3	3	3	4	5	4	3	3	3	3	3	3	3	4	5	4	6	4	5	5	4	4		
16	4	4	3	3	4	4	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4		
17	3	2	2	2	2	2	3	2	2	2	2	2	3	2	2	3	3	4	3	4	5	5	5	5	3		
18	5	4	3	2	2	3	2	3	3	3	2	2	3	3	2	2	2	2	2	2	2	3	2	3	3		
19	2	3	2	2	2	2	3	2	3	3	4	3	3	3	2	2	2	3	3	3	2	2	2	2	3		
20	2	1	1	0	0	0	0	1	1	0	0	0	0	****	-	-	-	-	-	-	-	-	-	-	*****		
21	- DATA UNAVAILABLE -																										
22	- DATA UNAVAILABLE -																										
23	- DATA UNAVAILABLE -																										
24	- DATA UNAVAILABLE -																										
25	- DATA UNAVAILABLE -																										
26	- DATA UNAVAILABLE -																										
27	- DATA UNAVAILABLE -																										
28	- DATA UNAVAILABLE -																										
MEAN	4	4	3	3	3	3	3	4	4	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	3.6		

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)														UNITS - 0.1 PARTS/MILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - MAR 78											
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11	17	15	13	13	12	11	10	10	11	10	9	10	12	12	11	11	11	11	14	15	14	13	14	14	12
12	16	16	17	20	16	14	12	14	14	13	13	12	11	11	11	10	9	8	11	11	14	15	13	10	13
13	9	12	14	12	12	11	9	7	4	4	4	5	6	5	5	6	6	7	9	9	8	9	11	11	8
14	9	9	15	6	5	4	4	4	3	3	3	4	5	5	5	7	11	12	14	12	10	9	10	11	8
15	10	8	8	9	8	9	11	12	13	12	11	12	12	12	12	11	11	13	13	13	12	12	13	13	11
16	11	12	12	12	12	12	12	11	9	8	7	7	9	7	11	12	13	13	13	13	12	12	13	13	9
17	14	13	11	11	11	10	8	8	7	7	5	4	6	6	5	8	9	9	10	9	7	7	10	11	9
18	10	9	8	8	8	9	11	12	12	11	11	12	13	13	13	13	13	13	13	12	12	12	13	12	11
19	11	11	10	11	12	12	11	11	11	10	8	6	7	8	9	10	9	8	8	8	6	7	10	10	9
20	6	4	4	5	6	6	10	12	4	3	3	2	4	5	5	4	6	7	8	6	7	15	10	8	6
21	5	5	5	5	5	6	6	6	5	5	4	4	4	4	6	7	6	5	6	6	6	7	9	9	6
22	9	9	8	7	7	6	7	9	6	6	5	5	6	5	5	6	6	8	9	9	10	12	11	11	8
23	11	12	11	11	11	9	10	10	7	7	5	4	5	5	5	6	6	6	5	7	8	10	10	10	8
24	5	6	5	5	5	5	5	5	4	5	5	4	3	3	5	6	6	5	5	5	4	4	5	6	5
25	7	8	9	8	6	5	7	8	7	6	5	4	3	3	4	4	4	3	3	2	2	3	3	4	4
26	4	5	5	5	4	4	4	5	4	3	4	4	3	3	3	3	3	3	3	2	2	3	4	4	4
27	5	3	4	5	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	4	4	4
28																									
29																									
30																									
31																									
MEAN	9	9	9	9	8	8	8	9	8	7	7	6	7	7	7	8	8	8	9	9	9	10	10	10	8.4

PERCENTAGE OF DATA VALID - 53.6 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 45.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)															UNITS - 0.1 PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - APR 78										
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN																									

PERCENTAGE OF DATA VALID - 61.8 PERCENTAGE OF DATA INVALID - 2.6 PERCENTAGE OF DATA UNAVAILABLE - 35.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.1 PARTS/MILLION

MONTH - MAY 78

PERCENTAGE OF DATA UNAVAILABLE - 0.0

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.1 PARTS/MILLION

MONTH - JUN 78

PERCENTAGE OF DATA UNAVAILABLE - 4.7

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)														UNITS - 0.1 PARTS/MILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0	0	0	0	0	.....
7	0	0	2	1	0	0	2	2	3	2	3	2	2	3	3	3	3	3	3	3	3	3	3	3	2
8	2	2	2	2	2	1	2	2	2	2	2	2	1	1	1	2	2	2	2	2	3	2	2	2	2
9	1	1	1	2	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
10	2	1	2	1	1	1	2	2	1	2	1	1	1	1	1	1	2	1	2	1	2	2	1	2	1
11	1	1	2	1	1	3	2	2	3	3	2	2	2	2	2	3	2	1	2	2	4	8	9	5	3
12	4	3	1	1	3	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	4	2	2
13	1	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	2	2	1	2	2	2	1	1	2
14	1	1	1	1	2	2	2	2	3	3	1	2	1	2	1	2	3	2	2	4	3	3	4	2	2
15	3	2	3	4	4	4	4	5	3	2	2	3	3	3	2	2	3	3	2	3	2	3	2	3	3
16	2	3	4	4	3	3	3	3	2	4	3	3	3	3	2	2	2	1	2	1	2	2	2	3	3
17	2	3	2	3	4	3	3	3	3	4	3	2	***	2	2	2	3	1	1	1	2	2	2	3	3
18	2	2	2	2	2	2	3	3	3	3	3	4	3	3	3	2	2	3	3	3	3	4	5	3	
19	1	2	1	2	2	3	3	4	3	3	3	3	2	2	2	3	3	2	2	3	3	3	2	2	3
20	3	3	3	3	3	3	3	4	4	3	3	4	3	3	3	3	3	4	4	5	6	6	4	4	4
21	4	5	5	5	3	4	5	5	5	4	3	3	5	4	4	4	4	4	3	4	5	5	5	4	4
22	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4	3	4	4	4	5	4	3	2	4
23	3	3	2	2	3	3	2	1	1	2	1	2	2	3	2	2	3	3	4	3	5	4	3	4	3
24	3	3	3	4	4	5	5	4	4	2	1	1	2	2	2	2	2	1	1	2	2	2	3	2	3
25	3	4	3	3	2	3	3	3	3	3	4	3	2	2	2	2	2	2	1	3	3	3	2	2	3
26	2	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
27	3	3	3	2	2	2	3	3	2	2	2	2	2	2	2	2	3	3	3	3	4	3	3	2	3
28	2	2	3	3	3	3	4	4	8	3	2	***	3	3	3	2	1	2	3	3	3	3	3	2	3
29	2	2	1	2	2	2	3	3	3	3	3	4	3	3	2	3	3	3	3	3	3	3	2	2	3
30	1	2	1	2	2	2	2	1	0	1	1	2	1	2	2	3	2	2	2	2	2	2	2	1	2
31	1	1	1	1	1	1	1	2	1	2	2	2	2	2	3	2	1	3	3	3	3	1	2	2	2
MEAN	2	2	2	2	2	2	3	3	3	3	2	3	2	3	2	2	2	2	2	3	3	3	3	2	2.5

PERCENTAGE OF DATA VALID - 81.7 PERCENTAGE OF DATA INVALID - 16.7 PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)														UNITS - 0.1 PARTS/MILLION													
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	3	3	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2		
2	2	2	1	2	2	3	3	2	***	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2		
3	2	2	1	1	2	2	3	2	4	3	2	3	7	4	4	5	1	2	2	3	4	1	1	1	3		
4	1	1	0	1	1	2	1	2	2	2	1	2	2	2	3	3	3	2	2	3	3	2	1	2	2		
5	3	2	2	1	1	1	2	2	1	2	3	3	3	2	1	2	1	0	1	1	1	2	3	2	2		
6	3	3	3	2	2	3	3	2	3	3	3	3	2	2	3	2	2	2	2	2	3	6	10	9	3		
7	7	6	8	5	2	3	4	3	1	1	1	1	1	1	2	1	1	1	1	2	5	4	2	2	3		
8	1	2	2	4	2	2	2	3	3	4	4	3	3	2	3	3	2	1	1	1	1	1	1	1	2		
9	1	2	2	3	3	3	3	4	4	5	5	4	3	2	3	3	3	4	3	4	3	5	4	7	3		
10	8	3	3	3	4	5	6	2	2	3	2	3	3	2	***	***	***	***	***	***	***	***	***	***	***		
11	- DATA INVALID -																										
12	- DATA INVALID -																										
13	- DATA INVALID -																										
14	- DATA INVALID -																										
15	- DATA INVALID -																										
16	- DATA INVALID -																										
17	- DATA INVALID -																										
18	- DATA INVALID -																										
19	- DATA INVALID -																										
20	- DATA INVALID -																										
21	- DATA INVALID -																										
22	- DATA INVALID -																										
23	- DATA INVALID -																										
24	- DATA INVALID -																										
25	- DATA INVALID -																										
26	- DATA INVALID -																										
27	- DATA INVALID -																										
28	- DATA INVALID -																										
29	- DATA INVALID -																										
30	- DATA UNAVAILABLE -																										
31	- DATA UNAVAILABLE -																										
MEAN	3	3	2	2	2	3	3	2	2	3	2	3	3	2	3	3	2	2	2	2	3	3	3	3	2.5		

PERCENTAGE OF DATA VALID - 30.8 PERCENTAGE OF DATA INVALID - 59.7 PERCENTAGE OF DATA UNAVAILABLE - 9.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)											UNITS - 0.1 PARTS/MILLION														
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES											MONTH - SEP 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6												- DATA UNAVAILABLE -													
7												- DATA UNAVAILABLE -													
8												- DATA UNAVAILABLE -													
9												- DATA UNAVAILABLE -													
10												- DATA UNAVAILABLE -													
11												- DATA UNAVAILABLE -													
12												- DATA UNAVAILABLE -													
13												- DATA UNAVAILABLE -													
14												- DATA UNAVAILABLE -													
15												- DATA UNAVAILABLE -													
16												- DATA UNAVAILABLE -													
17												- DATA UNAVAILABLE -													
18												- DATA UNAVAILABLE -													
19												- DATA UNAVAILABLE -													
20	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	2	1	1	1	1	1	3	1	*****
21	1	1	1	1	2	2	2	2	2	2	4	4	4	2	2	3	2	1	2	1	0	1	1	0	2
22	2	1	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23												1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
24												- DATA INVALID -													
25												- DATA INVALID -													
26	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1	1	2	2	2	2	1	1	3	3	2	1	1	0	*****
27	1	1	1	1	2	2	3	3	3	3	3	3	2	2	1	2	1	1	2	1	1	4	1	1	2
28	0	0	0	1	2	1	1	2	2	2	2	2	3	2	3	4	3	5	7	4	5	9	6	3	3
29	4	5	2	2	2	4	4	3	2	2	2	2	2	2	1	2	2	1	1	1	2	2	1	0	2
30	1	1	0	0	0	0	1	2	2	3	3	2	3	2	2	2	2	1	0	1	1	2	1	1	1
MEAN	2	2	1	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	3	2	1	1.8

PERCENTAGE OF DATA VALID - 21.8 PERCENTAGE OF DATA INVALID - 13.1 PERCENTAGE OF DATA UNAVAILABLE - 65.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)											UNITS - 0.1 PARTS/MILLION															
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES											MONTH - OCT 78															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	0	1	1	1	0	1	0	0	1	2	2	3	3	2	3	3	2	3	2	1	1	1	1	1	
2	1	0	0	0	0	0	2	3	5	2	2	2	4	3	3	3	1	0	2	2	6	1	3	3	2	
3	3	3	4	3	3	4	8	9	4	2	2	2	2	22	2	3	4	3	2	4	3	2	2	1	4	
4	0	1	2	1	1	1	4	5	4	4	5	4	4	3	3	2	2	0	1	1	1	1	1	1	2	
5	1	1	1	1	1	2	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****	
6																										
7																										
8																										
9																										
10																										
11	-	-	-	-	-	-	-	-	-	3	2	2	3	4	2	1	3	6	7	4	3	3	4	3	*****	
12	3	3	3	3	4	5	6	6	6	6	6	6	6	6	6	6	5	4	5	5	7	7	5	4	5	
13	3	2	3	3	3	3	4	6	5	2	2	0	1	1	1	1	2	2	3	2	1	1	2	2	2	
14	2	1	1	1	0	0	1	1	1	1	1	2	3	3	3	2	2	3	2	2	2	1	2	2	2	
15	3	2	1	1	1	1	1	1	1	1	3	3	3	2	1	1	1	1	3	2	1	2	1	1	2	
16	2	2	2	1	0	0	2	3	2	1	1	1	1	4	1	2	2	1	1	1	1	1	2	2	2	
17	2	2	1	1	2	3	2	4	3	1	2	2	2	2	1	2	1	1	1	1	2	5	4	3	2	
18	7	2	2	1	2	2	3	5	3	3	4	2	4	3	3	3	3	1	2	1	1	1	1	2	3	
19	1	1	1	2	3	1	3	4	4	4	5	4	3	3	3	4	3	3	3	2	2	4	2	1	3	
20	1	1	2	1	1	2	3	12	4	2	2	3	3	3	2	2	3	3	3	2	2	3	3	3	3	
21	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	
22	1	2	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3	2	
23	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	3	3	2	2	2	2	2	2	2	2	
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	2	3	2	2	
25	3	2	2	2	3	2	2	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	2	2	
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
27	2	2	1	2	3	2	2	2	2	3	2	2	2	2	2	2	3	3	3	3	3	2	2	3	2	
28	2	2	3	2	2	3	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
29	3	3	1	2	1	3	3	2	1	1	1	1	2	2	1	1	1	1	1	1	2	39	20	4	4	
30	2	2	2	2	2	2	3	2	2	1	1	1	2	2	1	1	2	2	2	2	3	3	2	2	2	
31	2	1	1	2	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	1	1	1	1	2	
MEAN	2	2	2	2	2	2	3	3	3	2	3	2	3	3	2	2	2	2	2	2	2	3	3	3	2.4	

PERCENTAGE OF DATA VALID - 80.4 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 19.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)														UNITS - 0.1 PARTS/MILLION																					
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - NOV 78																					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	2	1	3	5	4	3	4	11	4	2	2	----	----	1	1	1	2	2	1	1	1	1	1	1	2										
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1										
3	2	2	2	2	2	4	5	5	2	1	1	1	2	2	2	1	3	5	3	2	2	2	2	4	2										
4	2	3	4	6	5	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2										
5	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
6	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1										
7	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	7	2	1	1	1	4	1										
8	1	1	1	1	1	1	3	9	5	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2										
9	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1										
10	1	1	1	1	1	1	0	1	1	0	1	----	----	1	1	1	2	2	3	2	2	3	3	1	1										
11	1	1	1	1	1	0	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1	1										
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1										
13	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1										
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
15	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	4	9	8	9	2	2										
16	2	3	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	1										
17	0	0	0	1	1	1	1	1	1	----	----	1	1	1	1	1	1	1	1	1	1	1	2	2	1										
18	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
23	1	1	1	1	1	1	1	1	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----										
24															- DATA UNAVAILABLE -																				
25															- DATA UNAVAILABLE -																				
26															- DATA UNAVAILABLE -																				
27															- DATA UNAVAILABLE -																				
28															- DATA UNAVAILABLE -																				
29															- DATA UNAVAILABLE -																				
30															- DATA UNAVAILABLE -																				
MEAN	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2										
PERCENTAGE OF DATA VALID - 73.9														PERCENTAGE OF DATA INVALID - 0.8											PERCENTAGE OF DATA UNAVAILABLE - 25.3										

PERCENTAGE OF DATA VALID - 73.9 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 25.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*-- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)				UNITS - 0.1 PARTS/MILLION			
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES							
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING			
JAN	29	2.2	5	10			
FEB	19	3.6	6	9			
MAR	16	8.4	13	22			
APR	18	2.1	4	16			
MAY	28	1.8	3	12			
JUN	18	2.0	3	15			
JUL	25	2.5	4	9			
AUG	9	2.5	3	10			
SEP	5	1.8	3	9			
OCT	24	2.4	5	39			
NOV	22	1.2	2	11			
YEAR	213	2.7	13	39			

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)

UNITS - 0.1 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141- 200	201&OVER	TOTAL
JAN	709	0	0	0	0	0	0	0	709
FEB	466	0	0	0	0	0	0	0	466
MAR	260	137	2	0	0	0	0	0	399
APR	444	1	0	0	0	0	0	0	445
MAY	671	1	0	0	0	0	0	0	672
JUN	441	1	0	0	0	0	0	0	442
JUL	608	0	0	0	0	0	0	0	608
AUG	229	0	0	0	0	0	0	0	229
SEP	157	0	0	0	0	0	0	0	157
OCT	594	1	2	1	0	0	0	0	598
NOV	531	1	0	0	0	0	0	0	532
YEAR	5110	142	4	1	0	0	0	0	5257

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
65.6	0	0.2	0.9	1.6	2.4	4.6	6.9	11.0	12.3	39	2.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)

UNITS - 0.1 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
2	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
4	11	11	11	12	11	12	12	13	12	10	11	10	9	8	9	9	9	8	8	8	8	8	8	8	9
5	10	10	11	11	12	12	15	16	15	17	15	14	13	13	14	15	16	17	15	16	15	13	14	14	10
6	13	10	8	8	8	9	9	10	7	***	5	7	6	5	4	6	7	7	7	6	6	6	5	4	7
7	4	5	5	9	9	9	10	10	10	11	11	11	11	11	11	11	11	11	11	11	13	13	12	13	10
8	12	12	14	15	16	16	17	18	14	9	8	9	9	9	10	13	13	13	12	11	10	9	8	8	12
9	7	6	5	6	6	7	7	9	9	9	8	7	6	6	6	6	6	6	7	6	6	6	6	7	7
10	7	7	7	8	10	8	5	3	3	3	3	4	5	4	4	3	3	3	4	4	4	5	5	6	5
11	7	8	8	8	7	6	5	6	6	5	***	6	6	6	6	6	6	8	7	5	5	5	5	4	6
12	5	6	6	7	8	8	8	10	11	10	9	9	9	10	11	12	13	14	15	15	15	15	16	17	11
13	17	17	16	15	14	14	12	11	10	9	9	9	10	10	9	8	7	7	7	7	7	7	5	4	10
14	7	7	9	10	9	10	9	7	6	5	5	4	4	4	5	5	5	5	6	6	5	6	7	8	6
15	10	11	11	10	9	8	9	9	9	8	8	8	9	9	10	11	10	10	10	9	8	8	8	8	9
16	8	8	8	8	8	8	9	9	9	10	10	12	15	14	14	14	15	16	14	14	13	13	15	18	12
17	19	18	17	18	17	16	14	12	12	11	12	14	12	14	14	11	11	9	7	9	11	11	11	12	13
18	12	16	15	14	12	10	9	8	9	10	9	9	10	12	16	16	16	18	19	20	23	24	24	15	15
19	24	25	25	25	24	24	25	27	27	25	25	22	18	17	15	13	12	13	14	15	15	16	16	13	20
20	7	7	6	6	7	7	8	10	11	14	16	17	19	18	17	16	15	16	16	16	15	14	13	12	13
21	12	12	13	15	17	19	20	20	20	19	18	18	19	19	19	19	19	20	20	20	20	21	21	20	18
22	19	17	18	19	19	19	21	20	19	19	18	16	15	16	16	16	16	16	17	16	16	16	18	16	17
23	17	15	15	13	13	13	14	16	16	16	13	16	16	16	17	19	21	22	21	20	19	19	19	18	17
24	18	18	19	18	16	15	14	13	17	18	15	17	19	19	20	20	19	18	15	14	15	16	16	16	17
25	17	18	19	20	21	23	24	24	22	20	20	15	12	10	11	12	12	12	11	8	5	7	6	6	15
26	5	5	5	6	8	10	9	6	6	6	7	8	***	***	***	***	***	***	***	***	***	***	***	***	***
27	***	***	***	***	***	***	***	***	***	***	***	8	9	8	9	10	10	12	12	13	13	12	12	12	***
28	12	12	11	11	13	15	16	16	18	18	17	15	14	12	11	12	14	16	18	18	18	16	15	13	15
29	13	14	15	17	17	18	17	17	15	14	14	14	12	11	11	11	14	14	15	16	15	16	16	17	15
30	18	17	15	15	16	17	18	16	13	13	13	12	12	13	15	17	18	17	16	16	16	17	17	17	16
31	17	16	14	14	13	12	12	12	13	12	11	10	11	13	14	15	15	15	14	13	11	10	10	10	13
MEAN	12	12	12	13	13	13	13	13	12	12	12	11	11	11	12	12	12	13	13	12	12	12	12	12	12.1

PERCENTAGE OF DATA VALID - 89.4 PERCENTAGE OF DATA INVALID - 10.5 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY











POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)											UNITS - 0.1 PARTS/MILLION														
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON											MONTH - DEC 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6	5	6	6	6	6	7	7	7	8	8	7	3	3	7	3	4	6	5	5	6	6	5	5	5	*****
7	7	9	8	8	8	8	7	7	6	6	4	5	5	4	4	5	5	6	6	6	7	10	11	14	7
8	15	14	14	13	10	8	9	10	9	9	9	7	7	6	6	6	7	7	7	7	7	6	6	7	9
9	6	7	7	7	7	7	8	8	7	6	6	6	5	5	5	5	5	5	5	5	4	3	3	3	6
10	4	3	3	4	4	3	3	3	4	4	3	3	3	3	3	4	4	5	5	5	5	5	5	5	4
11	6	6	6	5	5	5	5	6	6	4	3	5	6	8	4	6	8	8	6	6	5	4	4	4	5
12	5	4	5	4	4	4	3	4	4	3	3	2	3	3	3	4	5	6	4	5	5	4	4	4	4
13	3	3	3	2	3	2	1	2	2	2	2	3	3	3	3	2	2	3	3	3	3	3	2	2	3
14	1	2	2	3	3	4	4	5	6	5	4	3	2	3	3	3	3	3	3	3	3	3	2	2	3
15	2	2	2	2	3	4	3	3	3	3	4	3	3	3	4	4	5	4	4	3	4	6	6	4	4
16	5	6	5	6	5	6	6	8	10	13	11	8	9	9	10	10	11	10	11	11	10	8	7	6	8
17	5	5	4	3	3	3	3	3	3	3	2	2	3	2	2	3	3	3	3	3	3	3	3	4	3
18	4	4	5	5	6	6	6	7	7	8	7	6	5	4	4	4	6	6	5	5	5	4	4	5	5
19	5	5	5	4	3	4	3	4	5	5	5	5	4	5	5	7	7	6	6	5	5	5	6	4	5
20	5	5	4	4	3	3	4	3	3	3	****	4	4	3	4	4	5	4	4	4	4	5	5	6	4
21	4	2	1	1	0	0	1	1	2	1	1	1	1	1	2	3	3	4	4	5	4	4	4	3	2
22	3	3	3	2	2	3	3	4	5	7	5	4	3	2	3	1	2	3	3	2	3	3	2	2	3
23	3	3	3	4	3	2	3	4	4	4	4	4	4	4	5	5	5	6	8	10	9	9	11	11	5
24	10	10	10	9	7	7	7	6	6	7	6	7	5	3	2	3	3	4	4	4	4	3	3	3	6
25	3	4	3	4	5	5	5	5	6	6	4	2	1	1	1	2	2	1	2	2	2	2	2	2	3
26	2	2	3	3	3	3	3	4	4	3	3	2	2	3	3	4	4	4	3	3	2	2	2	2	3
27	2	2	2	1	2	2	3	3	3	3	3	2	2	2	3	3	3	4	4	3	3	2	2	2	3
28	2	2	3	3	3	3	3	4	4	4	****	6	7	7	7	6	7	9	8	8	6	5	5	6	5
29	6	5	5	5	4	4	5	5	5	5	6	5	4	4	4	5	5	3	4	3	4	4	4	3	4
30	4	4	5	6	6	5	5	7	7	6	7	8	8	8	9	11	11	12	12	9	10	11	12	15	8
31	15	17	25	21	28	20	14	10	9	9	9	9	9	8	8	8	8	8	10	8	7	7	8	9	12
MEAN	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	5	5	5	5	5	5	5	5	5	5.0

PERCENTAGE OF DATA VALID - 85.5

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 14.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)

UNITS - 0.1 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	12.1	20	27
FEB	28	16.7	22	26
MAR	27	15.1	24	41
APR	9	12.6	17	25
MAY	27	16.5	27	45
JUN	30	20.4	29	38
JUL	31	26.4	35	46
AUG	30	26.4	40	54
SEP	26	22.3	36	41
OCT	31	13.9	29	39
NOV	14	11.3	21	27
DEC	26	5.0	12	28
YEAR	306	17.2	40	54



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)

UNITS - 0.1 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141 - 200	201 & OVER	TOTAL
JAN	270	353	42	0	0	0	0	0	665
FEB	28	469	167	0	0	0	0	0	664
MAR	177	317	158	7	0	0	0	0	659
APR	78	110	23	0	0	0	0	0	211
MAY	138	285	220	17	0	0	0	0	660
JUN	51	242	383	41	0	0	0	0	717
JUL	8	136	393	204	0	0	0	0	741
AUG	18	151	318	237	0	0	0	0	724
SEP	66	139	357	85	0	0	0	0	647
OCT	301	268	163	7	0	0	0	0	739
NOV	205	109	54	0	0	0	0	0	368
DEC	609	23	4	0	0	0	0	0	636
YEAR	1949	2602	2282	598	0	0	0	0	7431

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
84.8	0	5.2	10.9	16.3	21.0	28.6	33.0	37.8	40.7	54	17.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)

UNITS - 0.1 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
2	0	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1
4	1	0	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2	1
5	1	0	0	1	1	1	1	2	3	1	2	1	2	3	4	5	4	2	3	3	3	3	3	3	2
6	1	0	0	0	0	0	0	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1
7	2	2	2	1	1	1	0	0	1	2	2	2	3	3	3	2	2	2	2	3	2	2	3	3	2
8	2	2	2	2	1	1	2	2	2	3	4	2	0	0	0	1	1	3	2	0	1	0	0	0	1
9	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2	2	2	2	1	1	0	1	1	2	2	2	.....	.....	.....
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	4	3	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1.3

PERCENTAGE OF DATA VALID - 37.1

PERCENTAGE OF DATA INVALID - 12.9

PERCENTAGE OF DATA UNAVAILABLE - 50.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.1 PARTS/MILLION

MONTH - FEB 78

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.1 PARTS/MILLION

MONTH - MAR 78

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)													UNITS - 0.1 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	3	4	4	5	6	5	3	3	2	1	1	2	3	2	2	2	2	2	2	2	2	2	3
2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	5	3	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3
4	4	3	3	3	3	3	3	4	4	4	4	3	3	5	6	5	7	4	5	6	6	7	3	4
5	2	2	2	2	2	3	2	3	3	2	2	2	2	3	2	3	2	3	3	2	3	2	3	3
6	5	4	4	6	3	4	3	1	2	2	2	2	2	2	3	3	3	3	2	3	2	3	3	3
7	3	3	3	4	5	4	4	4	3	4	4	4	4	4	3	3	3	3	3	3	3	3	3	4
8	3	3	3	3	3	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	4
9	4	4	3	3	3	3	3	3	3	3	3	4	4	3	4	4	4	4	5	5	6	5	5	4
10	6	6	4	3	3	3	3	3	3	3	3	3	4	5	3	3	3	3	3	3	3	2	2	3
11	2	2	2	2	3	3	4	6	7	5	5	12	10	3	2	3	3	3	4	5	3	4	3	4
12	3	2	2	2	3	3	4	4	4	2	1	3	4	3	3	4	8	8	8	5	3	3	2	1
13	5	10	2	1	1	2	4	1	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	3
14	3	3	3	2	2	1	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
15	4	4	4	4	3	3	3	3	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3
16	4	4	4	4	3	3	4	3	3	3	3	3	3	1	2	2	2	3	4	3	4	3	3	4
17	4	4	3	3	3	3	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
18	6	6	3	4	3	3	2	3	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	3
19	3	3	3	2	2	2	2	3	4	4	4	3	3	3	3	3	3	3	3	2	2	2	2	3
20	2	3	3	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3
21	3	2	2	2	2	2	2	2	3	3	2	3	2	2	3	3	3	3	3	3	3	3	3	3
22	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
23	4	4	4	3	4	5	4	3	2	4	3	3	3	2	2	2	2	3	3	4	4	4	4	4
24	5	6	6	5	1	3	4	4	4	3	3	3	3	3	3	3	3	3	3	4	4	5	5	4
25	4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26	5	4	4	3	3	3	3	3	2	9	3	3	3	4	5	6	7	3	3	3	3	3	3	3
27	4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
29	4	5	4	4	3	3	3	3	3	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2
30	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	4

PERCENTAGE OF DATA VALID - 96.3

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)													UNITS - 0.1 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	2	2	2	2	2	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4
2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	4	4	4	5	4	5	2	3	3	3	3	3	3	4	4	4	4	4
4	3	3	2	3	2	2	2	2	2	1	1	2	1	3	3	3	3	3	3	3	3	3	3	3
5	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
9	4	3	6	5	6	4	4	4	5	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	4	2	3	1	2	13	6	3	6	4	6	5	3	2	3	3	4	2	3	4	4	5	8	7
12	5	5	2	1	2	2	3	6	6	6	5	3	4	7	8	6	1	1	2	2	3	3	2	4
13	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	2	3	4	2	3	2	2	2
14	2	2	1	1	2	1	2	1	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2
15	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	3	2	3	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	3	2	3	3	4	5	6	8	12	6	6	6	6	2	2	2	2	2	2	2	2	2	2	2
19	1	10	2	4	2	4	3	5	2	1	2	1	1	1	1	3	5	5	3	1	3	1	0	0
20	2	1	1	0	0	0	1	1	1	1	1	0	0	0	0	1	0	1	3	1	0	0	0	1
21	4	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	2	2	2	2	1	2	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	2	2	5	7	7	12	5	7	5	0	0	1	3	2	1	2	3	3	4	4	5	7	14	4
24	4	5	4	8	10	12	5	7	5	0	0	1	3	2	1	2	3	3	4	5	7	14	4	4
25	1	0	2	3	3	0	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26																								
27																								
28																								
29																								
30																								
31																								
MEAN	3	3	2	3	3	3	3	3	3	3	2	2	2	2	3	3	2	2	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 77.8

PERCENTAGE OF DATA INVALID - 20.8

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)												UNITS - 0.1 PARTS/MILLION													
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9	2	1	2	2	2	2	2	2	2	1	1	1	2	***	***	***	1	1	1	1	2	2	2	2	2
10	2	2	3	4	3	4	2	3	5	0	5	3	3	2	1	1	1	0	2	3	6	4	2	0	3
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0
12	0	0	0	0	0	0	0	1	1	1	***	1	2	2	1	1	1	2	0	1	0	0	0	0	1
13	0	0	0	0	0	0	0	1	1	1	2	1	1	0	1	1	1	1	1	1	1	1	1	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1
15	0	0	0	0	0	0	0	1	1	2	***	***	***	***	***	***	***	***	***	***	2	1	3	5	***
16	3	5	0	1	1	5	5	***	3	3	4	2	3	1	2	2	2	3	3	3	4	4	4	4	3
17	6	7	8	5	2	4	11	6	5	1	2	6	5	2	1	2	1	0	0	1	1	0	0	1	3
18	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19																									
20																									
21																									
22	5	4	4	4	3	3	4	3	3	3	3	***	***	2	2	2	2	2	2	2	3	4	3	4	3
23	1	0	1	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	3	4	4	2
24	4	4	4	3	2	2	3	3	3	4	2	1	1	1	1	1	1	1	0	1	1	2	1	3	2
25	5	3	3	15	8	6	7	6	1	3	4	1	1	3	3	2	1	2	2	2	1	3	4	4	4
26	4	4	4	4	5	4	3	4	6	6	5	4	2	***	1	1	1	0	0	1	1	2	1	1	3
27	3	3	3	2	2	0	2	3	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	2
28	1	1	2	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
29	2	4	2	2	1	2	2	2	1	1	1	1	2	***	***	2	2	2	2	2	3	3	2	2	2
30	2	2	2	1	2	2	3	2	2	2	2	1	2	2	2	2	2	2	3	3	2	1	1	1	2
MEAN	2	2	2	3	2	2	3	2	2	2	2	2	2	2	1	1	2	2	1	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 60.6 PERCENTAGE OF DATA INVALID - 39.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)												UNITS - 0.1 PARTS/MILLION													
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	1	0	0	1	2	0	0	0	0	0	0	1	1	1	3	4	4	1
2	4	2	2	2	2	3	1	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	1	2	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	2
4	2	2	2	1	1	1	2	2	2	2	***	2	2	2	2	2	3	2	2	2	2	4	5	4	2
5	4	2	3	3	4	9	7	12	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	2	2
6	2	4	2	1	1	2	2	2	2	2	1	1	***	1	1	1	1	1	1	2	2	2	1	2	2
7	2	1	1	0	0	1	4	3	2	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
8	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
9	1	1	1	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2	1	2	2	1
10	1	1	1	1	1	0	0	1	1	1	***	0	1	1	1	1	1	2	2	2	1	2	2	2	1
11	2	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2
12	2	3	3	3	2	1	3	2	2	3	1	1	1	1	1	1	1	0	0	1	1	1	0	1	1
13	2	4	3	0	0	0	0	0	1	1	-	***	1	1	1	1	1	1	2	1	1	2	3	3	1
14	2	1	1	1	1	1	2	1	1	4	2	1	1	0	0	1	3	2	1	2	3	6	3	2	2
15	2	2	3	2	4	5	3	1	2	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1
16	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1
17	2	2	2	1	1	1	2	2	2	1	***	***	2	1	1	1	0	0	0	1	1	1	1	1	1
18	0	1	1	2	2	3	3	4	4	3	1	1	1	2	1	0	0	0	0	0	0	1	0	1	1
19	0	0	0	0	0	0	2	3	3	2	1	1	0	0	1	0	1	2	2	2	2	3	4	1	1
20	2	0	0	0	0	0	1	1	1	1	1	***	1	1	1	1	1	0	0	1	2	2	2	2	1
21	4	2	2	4	2	2	5	1	3	4	6	3	1	3	4	2	2	1	2	1	2	3	3	4	3
22	5	6	5	2	1	1	1	5	6	2	1	1	3	3	4	2	0	1	1	2	2	4	1	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
24	1	1	1	2	2	2	3	3	6	2	1	1	0	0	0	0	1	1	1	1	1	1	2	2	2
25	2	2	3	4	4	2	2	1	0	3	3	3	4	3	2	3	2	1	1	1	2	2	1	4	2
26	2	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0
27	0	0	0	0	0	1	2	2	1	2	1	1	***	***	***	2	1	1	2	3	2	1	1	1	1
28	2	2	2	2	1	2	2	2	2	3	2	2	2	3	2	2	2	2	2	2	2	5	4	2	2
29	2	3	3	2	2	3	1	1	1	1	2	2	3	3	4	4	1	1	2	2	3	3	3	3	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	2
31	3	2	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2	3	4	3	4	5	3
MEAN	2	2	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)															UNITS - 0.1 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO															MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	1	1	1	0	1	1	1	1	2	4	6	7	8	8	8	6	6	7	8	6	4	3	***	4	
2	-	-	-	-	-	-	-	-	-	-	-	-	5	5	***	4	3	2	1	1	2	2	2	3	***	
3	4	4	7	7	4	5	6	7	6	6	6	7	6	7	7	7	6	5	5	6	6	8	6	6	6	
4	5	4	4	3	4	5	5	3	3	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	3	
5	1	2	4	4	4	8	8	2	1	***	***	2	1	1	2	3	3	4	5	5	7	4	5	5	4	
6	5	7	5	2	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2	3	4	5	5	5	3	
7	5	5	5	5	6	6	7	6	6	6	6	6	7	8	8	7	7	7	7	6	7	8	8	7	7	
8	7	7	7	7	7	7	7	8	7	8	6	6	6	6	6	6	7	7	8	8	8	8	8	8	7	
9	9	9	9	9	9	10	9	10	9	7	6	3	2	1	1	1	1	1	1	1	2	2	2	2	5	
10	2	2	4	4	4	3	2	3	2	2	***	***	***	10	8	6	6	6	6	3	4	7	12	12	11	5
11	12	13	12	15	15	16	16	17	9	6	6	5	3	4	7	7	8	6	4	3	4	3	3	3	8	
12	2	2	1	1	1	1	1	2	2	2	2	2	2	***	1	1	1	2	3	3	3	4	4	5	2	
13	9	7	5	2	1	2	3	6	5	6	6	4	3	3	5	26	10	4	3	3	4	3	3	3	5	
14	2	2	2	2	2	3	3	3	3	3	3	4	3	3	3	3	3	3	3	4	4	5	6	7	3	
15	7	7	4	3	3	4	5	6	6	5	6	4	3	2	2	2	2	3	4	5	5	6	4	4	4	
16	2	2	2	2	3	4	4	5	4	4	4	***	***	4	5	6	4	5	6	7	9	8	8	7	5	
17	7	7	6	6	6	7	8	11	13	11	5	4	5	3	1	1	1	1	1	1	1	1	***	***	5	
18	2	2	2	4	8	9	12	7	7	***	4	2	***	***	1	2	4	3	2	2	3	5	7	7	5	
19	7	6	7	8	8	8	10	12	11	***	***	6	5	***	8	10	7	5	2	1	2	4	6	6	7	
20	7	8	9	9	10	10	12	12	13	11	8	6	5	1	1	1	1	1	1	1	0	1	3	4	6	
21	4	3	4	6	8	9	9	7	5	4	1	0	0	0	0	0	1	1	2	3	4	3	3	1	3	
22	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	3	8	3	2	1	
23	3	3	4	5	6	6	6	7	7	***	5	5	5	5	5	5	5	5	5	6	6	7	7	5	5	
24	6	6	7	8	7	8	10	10	5	5	4	2	2	1	1	1	1	1	1	1	1	1	1	1	4	
25	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
26	1	1	1	0	1	0	0	0	1	2	4	5	5	6	5	6	6	7	7	7	6	7	6	6	4	
27	6	5	5	5	5	6	8	7	***	***	4	3	2	1	1	1	1	1	1	1	1	1	1	1	3	
28	1	1	1	5	8	7	4	4	5	5	4	5	5	5	6	6	7	6	5	6	6	6	7	5	5	
29	8	7	7	6	7	7	7	6	6	4	4	4	4	4	4	4	4	5	6	6	6	5	5	6	5	
30	5	5	5	5	5	4	6	5	5	5	3	1	2	4	6	5	6	10	11	12	6	3	2	1	5	
31	1	1	1	1	3	3	3	3	6	9	8	6	***	2	3	4	4	5	5	5	5	5	5	6	4	
MEAN	4	4	4	5	5	5	6	6	5	5	4	4	3	4	4	4	4	4	4	4	4	4	5	5	4.4	

PERCENTAGE OF DATA VALID - 95.4

PERCENTAGE OF DATA INVALID - 3.0

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)															UNITS - 0.1 PARTS/MILLION										
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	6	6	6	6	6	8	10	10	8	6	5	4	4	3	4	6	5	6	5	7	6	6	6
2	6	6	6	7	8	6	6	7	7	7	5	4	4	6	6	3	4	5	5	5	6	7	6	9	6
3	9	9	9	10	14	13	9	15	18	12	8	***	8	8	8	4	5	6	8	8	10	11	15	10	10
4	17	11	6	5	4	6	7	11	15	12	9	5	3	2	1	4	5	3	2	6	14	17	19	18	8
5	19	15	10	11	19	5	4	5	5	7	7	8	4	2	1	1	1	1	1	1	0	0	1	5	5
6	1	0	0	0	0	0	1	1	3	1	1	1	2	3	4	5	5	5	4	5	5	6	7	7	3
7	6	4	4	5	4	5	6	6	7	7	6	***	***	4	5	5	6	7	6	6	5	6	7	6	6
8	7	8	7	6	5	6	9	8	10	8	6	4	2	2	2	4	2	2	2	2	3	3	4	3	5
9	3	3	4	3	3	4	5	6	6	6	4	4	5	5	3	3	3	2	1	1	1	2	2	7	4
10	6	7	6	5	4	5	6	8	10	4	5	4	4	4	4	5	5	4	4	5	4	5	4	5	5
11	5	6	8	8	9	9	4	1	1	1	1	1	4	5	3	2	2	1	2	2	3	3	4	4	4
12	3	3	3	4	4	4	4	3	3	3	4	4	4	3	2	3	3	3	3	3	5	6	4	4	4
13	3	3	4	5	5	4	5	6	5	6	6	4	4	5	6	6	6	7	7	5	6	1	1	1	5
14	0	0	0	0	0	0	0	1	2	4	5	2	2	1	2	1	2	2	2	2	1	2	2	2	1
15	2	2	1	2	1	2	2	2	3	2	3	2	2	2	2	2	3	3	4	5	6	7	6	7	3
16	6	6	5	3	2	3	4	5	5	6	4	***	1	2	2	1	2	2	2	2	1	1	0	0	1
17	2	2	2	2	2	3	3	4	3	3	3	2	3	3	3	15	9	3	0	1	1	1	1	1	3
18	1	1	1	1	1	1	1	1	2	3	4	4	4	4	4	4	4	6	6	7	6	5	3	2	3
19	1	0	0	0	1	0	1	1	2	4	4	4	4	4	4	4	4	4	4	5	5	5	4	5	3
20	4	4	4	4	3	2	3	4	5	4	4	***	3	4	4	5	5	4	3	4	5	5	5	5	4
21	5	4	3	3	4	5	5	5	7	7	6	6	6	3	1	2	3	3	3	4	5	7	8	7	5
22	6	5	2	3	3	2	1	0	1	2	0	***	0	1	4	5	4	3	2	3	3	3	3	4	3
23	4	3	3	3	2	3	3	4	5	3	3	4	4	5	5	4	1	1	0	0	0	***	0	1	3
24	1	1	2	2	2	2	3	4	4	3	2	***	***	2	2	2	2	3	2	2	1	1	1	2	2
25	2	2	2	1	2	3	3	4	3	3	3	2	3	3	3	2	3	3	3	3	3	3	4	4	3
26	3	4	3	3	4	4	4	5	4	3	3	3	4	4	3	4	4	5	4	5	4	5	3	2	4
27	2	2	2	2	3	2	2	2	2	2	2	***	***	3	3	3	3	2	1	2	3	5	4	5	3
28	3	3	3	5	5	4	5	6	6	5	5	4	4	5	8	6	4	5	3	5	5	2	1	4	4
29	5	3	3	0	3	4	3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
30	***	***	***	1	***	***	***	***	***	1	1	2	1	1	1	2	2	2	2	2	3	4	5	4	2
MEAN	5	4	4	4	4	4	4	5	5	5	4	4	3	3	3	4	4	4	3	4	4	5	4	5	4.1

PERCENTAGE OF DATA VALID - 94.9

PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	3	3	4	6	6	5	4	3	4	0	0	***	***	***	***	***	***	***	2	2	3
2	2	1	1	1	2	2	3	3	3	3	2	1	1	2	2	3	3	4	4	4	4	5	5	3	3
3	1	1	1	2	2	1	1	2	2	0	0	0	2	2	1	0	0	1	2	2	2	3	5	5	2
4	3	2	***	***	***	***	***	***	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	1	0	0	0	***	***	1	2	2	2	2	2	3	3	3	4	1
7	4	4	4	5	6	5	6	6	6	4	4	3	3	3	3	3	3	3	3	3	4	3	4	5	4
8	7	10	7	7	6	5	5	6	5	4	***	3	3	4	4	5	4	5	4	5	5	4	4	5	5
9	5	4	4	4	4	4	5	6	5	4	3	3	3	2	3	3	2	2	2	2	2	2	2	2	3
10	2	3	2	2	2	2	4	5	2	2	2	2	3	3	2	2	3	3	3	5	6	6	6	8	3
11	8	5	3	3	4	2	0	4	7	6	5	***	***	7	8	8	9	6	1	1	3	3	1	0	4
12	0	0	0	1	1	3	6	6	10	11	8	4	4	6	9	11	9	4	1	1	1	1	1	1	4
13	0	0	0	0	0	0	0	0	1	1	1	2	3	2	2	2	5	4	3	4	4	4	4	4	2
14	4	4	4	4	4	4	4	6	7	7	8	4	4	5	6	7	8	3	0	0	0	0	0	0	4
15	1	2	2	3	3	2	0	0	1	***	***	1	3	3	2	3	0	***	***	***	***	***	2	1	2
16	1	2	3	4	6	8	9	9	9	7	4	2	***	***	***	***	***	***	***	***	***	***	***	***	***
17	***	***	***	***	***	1	1	2	2	2	2	2	2	3	2	3	3	3	3	4	4	3	3	4	3
18	5	5	6	5	6	6	7	8	9	6	7	6	***	5	***	4	6	5	4	4	5	6	6	6	6
19	6	5	6	6	6	6	6	6	7	3	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	1	2	2	0	1	0	0	1	1	1	0	0	0	0	1	1	0
21	1	1	0	1	0	0	0	0	0	0	0	***	0	0	0	0	0	1	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0
24	2	2	2	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***
28	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
29	0	0	0	0	0	0	0	1	2	2	2	2	1	0	0	0	0	1	1	0	0	0	0	1	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	***	***	0
31	- DATA INVALID -																								
MEAN	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 86.7

PERCENTAGE OF DATA INVALID - 13.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)

UNITS - 0.1 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	11	1.3	3	5
FEB	22	1.8	4	7
MAR	29	3.0	5	10
APR	30	3.2	4	12
MAY	24	2.7	5	14
JUN	17	1.9	4	15
JUL	31	1.6	3	12
AUG	17	1.3	4	12
SEP	12	7.9	15	59
OCT	30	4.4	8	26
NOV	29	4.1	10	19
DEC	27	2.0	6	11
YEAR	279	2.9	15	59

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)

UNITS - 0.1 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141 - 200	201 & OVER	TOTAL
JAN	276	0	0	0	0	0	0	0	276
FEB	514	0	0	0	0	0	0	0	514
MAR	699	0	0	0	0	0	0	0	699
APR	692	1	0	0	0	0	0	0	693
MAY	573	4	0	0	0	0	0	0	577
JUN	434	2	0	0	0	0	0	0	436
JUL	731	1	0	0	0	0	0	0	732
AUG	407	3	0	0	0	0	0	0	410
SEP	201	81	6	2	0	0	0	0	290
OCT	686	23	1	0	0	0	0	0	710
NOV	662	21	0	0	0	0	0	0	683
DEC	643	2	0	0	0	0	0	0	645
YEAR	6518	138	7	2	0	0	0	0	6665

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
76.1	0	0.0	0.9	1.9	2.9	5.4	7.1	10.6	13.1	59	2.9



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - JAN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	19	19	19	18	19	19	18	17	17	17	16	17	16	16	16	16	16	16	16	16	17	17	16	17
2	17	18	20	20	20	21	21	17	18	18	18	20	18	18	20	17	18	19	19	20	19	19	19	19	19
3	21	22	22	23	24	22	24	25	25	26	***	22	20	19	20	21	24	21	25	24	25	20	20	20	22
4	22	24	26	25	23	19	20	22	26	23	22	22	23	23	23	24	26	20	21	23	23	24	27	28	23
5	32	32	29	30	30	31	30	29	35	32	28	26	29	28	29	27	27	25	23	26	25	24	26	31	29
6	34	34	33	30	32	29	-	-	-	-	-	-	-	-	-	***	30	29	28	23	23	23	24	25	***
7	23	23	22	23	23	22	23	23	24	24	25	26	27	29	30	30	31	32	31	28	27	28	27	25	26
8	27	28	28	31	32	35	46	41	34	31	30	28	30	31	32	26	24	23	23	22	22	22	21	21	29
9	20	21	21	22	21	21	21	21	23	21	20	20	20	19	19	22	22	20	20	20	20	20	20	20	21
10	22	22	22	22	22	22	23	23	21	21	21	20	19	19	19	20	23	22	20	21	22	22	21	22	21
11	22	22	22	21	23	23	24	24	24	26	23	23	21	21	20	20	21	22	23	23	24	30	32	27	23
12	26	26	25	25	28	31	31	34	39	40	29	29	35	31	30	22	20	20	17	18	26	15	16	17	26
13	18	16	15	14	14	14	14	16	17	19	19	19	***	22	22	21	23	25	22	21	20	21	19	19	19
14	19	19	19	19	20	19	19	18	19	19	20	21	21	21	21	21	21	21	21	20	21	21	22	23	20
15	23	23	23	23	23	23	24	24	26	26	27	26	23	23	22	22	22	22	24	24	24	23	22	22	24
16	20	22	23	25	25	26	25	24	26	***	21	22	20	19	19	21	24	23	23	24	35	32	33	29	24
17	29	27	24	23	22	20	21	23	22	20	18	18	18	18	18	18	18	16	15	14	14	14	13	13	19
18	14	14	14	15	15	16	16	19	20	21	19	19	21	22	21	21	22	23	23	22	22	23	23	23	20
19	25	30	30	28	26	24	23	24	27	***	28	25	23	23	21	22	23	22	19	18	18	18	18	18	23
20	18	18	18	18	18	18	18	19	20	20	21	21	20	21	22	22	23	23	22	21	20	21	21	23	20
21	24	23	23	25	23	23	23	23	24	24	25	25	27	29	28	26	26	27	27	27	28	31	32	36	28
22	31	35	37	36	36	34	32	29	30	30	31	31	31	31	31	28	28	28	29	31	34	35	34	35	32
23	37	35	34	32	34	36	35	39	39	36	35	33	32	30	29	31	35	32	31	33	31	32	33	34	34
24	35	39	36	33	32	30	30	34	38	28	29	25	25	23	21	24	26	21	22	23	22	25	26	27	28
25	24	22	19	19	19	21	24	24	24	24	25	26	22	22	23	24	24	25	16	15	16	12	11	8	20
26	7	5	5	5	4	4	7	9	7	4	5	4	5	6	7	7	7	7	6	5	6	7	7	7	6
27	8	8	8	8	8	8	8	8	9	11	11	12	12	11	22	25	25	25	25	25	26	25	26	24	16
28	24	23	22	23	23	24	24	25	25	24	25	25	26	24	24	25	25	24	24	25	24	24	24	25	24
29	25	25	25	24	24	24	24	24	24	24	24	25	27	28	29	29	28	29	30	31	33	33	33	32	27
30	28	25	25	25	24	24	24	31	26	26	21	21	25	25	25	***	28	24	23	23	24	30	27	26	25
31	27	27	26	26	26	26	28	30	32	31	22	20	17	17	17	19	20	21	21	21	22	24	23	23	24
MEAN	23	23	23	23	23	23	23	24	25	24	23	22	23	23	23	22	24	23	22	22	23	23	23	23	23.0

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
	STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	26	26	25	28	27	26	29	31	31	33	33	31	27	23	22	20	22	22	20	20	19	18	18	23	25	
2	22	21	24	25	28	34	30	43	43	33	36	32	23	20	18	19	20	19	23	22	22	24	24	24	26	
3	22	22	21	20	20	20	20	24	29	32	31	26	22	23	22	19	20	20	20	20	21	21	22	24	23	
4	24	21	18	18	17	18	18	19	21	21	22	21	19	16	18	17	17	19	19	20	19	19	17	19	19	
5	18	18	17	16	16	16	17	15	15	15	16	18	21	19	16	16	16	16	16	16	15	15	15	16	16	
6	15	15	14	14	14	14	16	16	17	18	18	17	17	17	17	16	16	16	15	14	14	14	15	15	16	
7	15	14	13	14	14	15	15	17	19	17	16	16	17	17	18	18	18	19	20	17	17	18	18	19	17	
8	21	20	21	24	29	28	29	30	30	30	32	23	23	21	20	19	19	22	18	17	18	19	17	17	23	
9	16	16	17	16	17	17	20	23	22	23	23	21	18	19	19	17	19	19	20	19	18	20	22	24	19	
10	22	22	23	21	20	20	22	25	30	33	28	26	20	18	17	17	18	17	18	19	21	22	21	22	22	
11	20	21	25	28	29	27	22	29	28	28	27	22	21	19	18	17	17	18	20	20	21	21	19	19	22	
12	18	18	17	18	18	18	21	21	18	18	17	17	17	17	18	18	16	17	17	17	17	18	19	21	18	
13	20	19	20	31	27	22	20	25	26	***	25	38	22	21	19	18	20	19	18	18	17	16	16	17	21	
14	17	18	19	18	18	18	21	22	23	24	22	21	21	22	22	22	25	20	20	21	23	22	30	31	22	
15	33	41	35	29	27	25	24	25	28	29	28	26	26	26	24	25	26	24	23	25	22	23	23	23	27	
16	24	24	24	24	24	31	24	26	27	24	22	21	21	21	21	21	22	21	23	24	23	22	22	23	23	
17	22	22	23	25	27	29	32	35	37	36	29	26	24	23	22	22	22	21	22	24	22	24	24	29	26	
18	29	29	29	30	26	25	24	23	24	26	27	27	24	22	21	20	20	21	19	19	20	20	20	23	24	
19	30	25	23	21	20	20	22	23	24	24	24	22	24	22	22	19	19	19	19	20	22	22	23	26	22	
20	26	30	42	27	28	26	26	27	31	32	34	27	20	20	20	22	21	19	19	19	19	20	21	23	25	
21	29	31	34	33	33	31	31	32	33	33	31	29	25	25	23	24	27	26	26	23	23	22	22	23	28	
22	23	23	23	23	24	24	26	28	30	29	27	25	24	24	22	22	22	22	20	21	24	26	27	24	26	
23	31	32	32	33	30	27	26	25	26	27	29	27	28	25	22	21	25	21	22	23	24	23	22	22	26	
24	25	22	22	22	23	25	25	24	25	25	25	22	21	21	20	20	26	24	20	18	18	20	22	22	22	
25	23	21	20	20	20	20	23	22	23	25	19	19	20	22	23	25	26	25	24	23	23	24	24	23	22	
26	25	29	31	29	27	24	23	22	22	21	21	22	22	20	21	21	21	22	22	23	24	23	24	23	22	
27	24	24	24	24	26	27	27	28	28	25	24	25	25	27	20	19	21	23	18	19	19	21	21	21	23	
28	22	23	25	26	24	22	22	21	23	21	19	18	23	25	24	26	26	23	23	24	24	24	24	22	23	
MEAN	23	23	24	23	23	23	25	26	26	26	25	24	22	21	20	20	21	21	20	20	20	21	21	22	22.4	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	20	19	18	18	18	16	17	18	19	20	21	24	24	23	22	20	21	22	21	21	22	28	31	21
2	37	44	41	33	29	27	43	54	54	44	32	19	16	17	16	15	18	16	14	14	15	15	18	15	27
3	15	15	14	10	10	10	10	12	15	19	18	17	17	19	20	20	20	21	21	22	23	23	22	21	17
4	21	20	19	18	17	17	17	17	18	18	18	19	22	22	22	20	20	19	19	19	19	18	19	18	19
5	18	19	19	19	19	20	22	24	28	29	27	25	21	20	20	19	19	18	18	18	18	19	19	21	21
6	23	22	22	22	25	24	24	24	26	23	22	20	23	25	26	27	28	26	27	29	31	35	27	27	25
7	40	41	39	37	33	38	39	44	30	30	24	20	18	18	18	16	16	17	16	16	16	20	20	18	26
8	17	17	18	19	17	16	16	18	19	19	19	18	19	18	21	21	22	22	21	23	25	24	23	22	20
9	23	26	27	26	31	37	42	44	31	22	31	31	24	27	23	22	20	20	21	25	27	20	22	24	27
10	32	42	53	29	28	29	30	35	29	37	34	31	28	26	26	25	28	23	24	28	30	28	26	27	30
11	29	29	32	32	28	28	29	29	28	25	25	27	***	***	***	***	***	***	***	***	***	***	***	***	***
12	***	***	***	***	***	***	***	***	***	***	***	***	17	18	18	18	19	20	19	20	19	19	19	20	***
13	***	***	***	***	***	***	***	***	***	***	***	***	17	18	18	18	19	20	19	20	19	19	19	20	***
14	23	21	19	16	14	13	14	14	19	20	15	17	17	17	18	18	17	17	16	15	15	15	15	14	17
15	13	14	14	13	12	13	14	16	20	22	17	17	17	19	20	19	19	19	21	19	18	19	19	20	17
16	20	20	19	18	18	18	20	21	24	22	20	19	19	19	19	19	17	18	18	17	19	18	18	20	19
17	19	19	19	18	19	19	21	22	21	21	22	22	21	23	22	23	24	22	21	21	21	21	23	22	21
18	19	20	19	22	23	28	27	26	28	26	22	20	20	19	19	19	18	17	16	15	16	16	16	15	20
19	15	17	18	16	17	17	17	17	18	18	19	20	20	21	20	20	19	19	20	20	25	27	29	31	20
20	32	26	30	25	24	21	20	20	21	22	22	22	21	21	20	20	23	23	19	19	19	20	17	18	22
21	18	21	20	17	16	17	19	19	21	20	20	19	18	18	17	17	18	18	17	17	17	17	18	18	18
22	18	21	21	22	19	18	19	20	21	20	23	23	22	20	20	21	27	30	32	33	34	33	32	26	24
23	22	21	20	20	20	21	25	26	30	29	26	21	21	20	20	20	20	21	22	20	20	18	17	22	22
24	17	16	15	15	15	15	16	16	16	16	16	17	17	17	17	16	16	16	16	17	16	15	15	16	16
25	15	15	15	14	13	13	13	12	13	13	13	13	14	14	15	13	14	14	14	13	14	13	14	14	14
26	13	14	14	14	13	14	14	15	14	16	15	17	16	17	17	17	18	18	17	18	19	18	18	17	16
27	17	17	16	15	15	14	17	19	22	22	20	21	20	20	20	21	21	19	20	20	20	25	26	23	20
28	21	18	18	17	17	18	17	18	19	15	15	16	18	18	16	18	19	16	18	17	16	16	17	17	17
29	24	20	17	16	17	19	18	18	17	17	17	17	16	16	17	17	18	19	18	18	19	21	26	25	19
30	25	28	27	26	27	28	34	37	38	30	25	21	19	19	20	21	21	19	24	21	22	24	21	16	25
31	18	16	18	17	16	16	16	18	20	15	14	14	18	19	19	21	22	21	21	24	24	27	30	29	20
MEAN	21	22	22	20	20	20	22	23	23	22	21	20	19	20	20	19	20	20	20	20	21	21	21	21	20.8

PERCENTAGE OF DATA VALID - 93.5 PERCENTAGE OF DATA INVALID - 6.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	19	17	18	17	19	21	21	17	16	17	19	19	19	19	20	20	20	20	21	21	21	21	21	19
2	21	21	21	21	21	21	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	22	22	22
3	22	22	22	22	22	22	22	22	22	24	25	26	27	28	28	27	31	29	31	31	29	29	29	26	26
4	28	28	29	28	28	29	27	30	32	32	25	30	28	28	26	27	26	25	25	24	23	23	22	21	27
5	21	20	20	19	20	25	26	24	24	24	23	23	23	23	24	24	23	20	20	19	19	19	22	22	
6	22	21	18	17	16	15	15	16	17	17	17	17	17	18	18	19	19	21	20	20	20	28	35	24	
7	17	17	17	18	19	23	24	26	25	21	21	21	21	21	19	19	19	19	21	20	22	23	24	21	
8	19	20	18	18	18	18	17	17	17	17	18	18	21	21	19	19	19	18	18	18	17	17	17	18	
9	19	19	19	19	17	16	15	15	15	14	17	17	13	14	16	16	16	17	16	16	16	16	15	16	
10	14	15	15	14	14	14	14	15	18	18	17	17	17	17	19	17	15	19	22	31	21	18	18	17	
11	18	18	17	17	17	17	17	17	17	16	18	17	17	17	17	17	17	17	17	17	19	20	18	17	
12	16	16	17	17	18	18	19	18	17	17	19	18	18	18	18	19	19	20	20	20	22	20	20	19	
13	20	18	16	15	15	15	15	16	17	18	18	18	19	19	23	29	20	19	18	18	19	20	22	21	
14	29	25	23	24	22	20	21	21	20	20	20	19	18	18	18	18	18	18	18	19	19	19	19	20	
15	26	28	30	20	20	21	24	20	20	20	20	19	20	18	18	17	17	16	17	16	17	18	18	20	
16	21	23	28	31	30	41	43	45	34	28	26	26	24	24	24	23	21	21	22	23	24	25	25	27	
17	27	31	27	27	28	28	27	26	27	23	22	23	23	23	22	21	20	20	21	22	23	24	25	29	
18	19	20	18	17	17	17	18	18	18	17	18	19	20	21	23	20	20	19	18	17	18	20	19	22	
19	20	18	17	17	16	17	20	23	23	23	23	20	19	20	20	21	23	21	24	27	22	19	20	21	
20	21	20	20	20	20	20	20	21	26	22	21	22	22	23	24	22	22	22	20	19	19	20	19	18	
21	17	17	16	16	17	17	18	19	20	21	20	20	22	22	21	21	20	19	18	20	17	17	19	19	
22	20	24	21	25	20	19	22	23	23	25	26	27	27	26	25	24	22	21	21	21	20	20	21	23	
23	22	22	22	22	22	23	23	22	20	20	20	21	21	21	21	22	22	22	21	22	22	23	24	25	
24	23	22	23	22	22	21	22	22	28	32	33	31	27	25	23	22	22	22	20	26	24	22	21	22	
25	21	22	22	21	21	22	24	23	20	20	20	***	22	25	26	22	21	20	19	20	20	20	21	21	
26	23	22	22	22	22	22	22	22	23	22	22	23	21	22	25	25	23	20	20	20	20	20	19	22	
27	19	19	18	18	18	19	21	24	22	22	21	21	21	22	23	24	23	22	22	22	25	22	26	28	
28	26	24	30	43	38	30	25	25	25	24	23	24	23	23	***	-	-	-	-	-	-	-	-	-	
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	16	17	17	17	17	18	18	17	17	17	17	18	18	18	18	18	17	18	18	17	18	19	19	18	
MEAN	21	21	21	21	20	21	21	22	22	21	21	21	21	21	22	21	21	20	21	20	21	20	21	21	21

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - MAY 78											
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	19	19	19	19	19	19	21	22	21	21	21	20	21	21	21	21	21	22	22	21	21	21	26	28	21
2	30	33	26	23	23	23	24	25	25	24	25	24	24	24	24	23	24	24	25	26	26	27	29	29	25
3	29	38	45	50	51	98	64	65	***	22	23	19	16	16	16	16	15	14	14	14	13	13	16	15	30
4	15	14	13	13	13	13	13	15	15	15	14	14	13	13	13	14	14	14	14	14	14	14	14	14	14
5	13	13	13	13	13	15	16	16	16	18	18	***	24	22	21	23	22	25	26	27	27	25	24	24	20
6	22	22	22	21	21	21	21	20	20	21	22	21	22	23	23	24	24	23	24	27	27	30	28	27	23
7	30	31	31	34	33	35	36	33	27	24	26	26	27	29	27	26	25	24	24	23	23	23	23	22	28
8	22	23	23	22	22	22	26	28	27	24	23	22	21	21	20	21	20	21	23	23	26	23	24	25	23
9	26	25	26	25	23	21	22	24	20	20	20	20	22	21	21	21	21	21	21	23	23	23	23	23	22
10	22	22	22	22	23	24	24	26	23	22	24	23	23	25	25	25	25	27	28	26	27	28	28	27	25
11	26	26	25	25	25	24	24	25	24	26	25	26	24	24	22	23	22	21	20	19	17	17	15	14	22
12	14	14	13	13	12	12	13	16	15	14	14	14	***	18	18	20	19	18	18	18	17	17	17	17	16
13	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	18	18	17	17	
14	19	19	18	18	18	18	18	17	17	17	17	17	17	18	17	18	19	18	18	19	19	20	20	19	18
15	18	19	18	18	18	20	21	21	22	23	22	23	23	22	22	24	24	23	22	22	20	20	20	20	21
16	20	20	20	19	19	19	19	21	20	20	21	20	21	21	21	21	21	20	20	20	20	22	23	20	20
17	24	24	23	22	23	24	26	29	27	***	***	***	19	20	20	22	20	18	18	19	21	21	20	21	22
18	25	26	25	26	31	35	36	32	32	26	33	23	23	22	22	23	21	21	20	20	19	19	24	30	25
19	37	33	30	28	30	32	27	24	21	33	68	69	43	48	53	30	20	20	24	25	22	29	30	30	34
20	30	41	36	32	26	23	21	19	18	17	16	17	16	16	17	16	17	14	14	19	19	17	14	21	21
21	13	13	13	12	12	12	12	12	12	13	13	14	14	14	14	14	14	15	15	15	17	17	19	17	14
22	16	17	20	26	32	39	27	21	18	18	15	15	15	15	15	15	15	16	17	17	17	19	21	19	
23	18	16	18	22	27	29	25	21	20	22	24	20	22	21	19	19	19	18	19	19	19	20	20	21	21
24	19	19	19	19	22	22	30	34	29	21	20	19	18	18	19	20	20	20	21	21	22	22	20	22	22
25	23	25	30	30	38	55	65	89	65	36	24	23	24	25	27	28	25	25	24	24	24	25	28	26	34
26	25	29	30	28	30	38	51	45	32	30	30	30	28	28	28	27	27	27	26	27	30	28	27	30	30
27	27	30	36	36	38	33	29	26	34	34	32	28	25	25	26	26	26	25	24	24	***	***	23	26	29
28	31	34	30	31	36	32	26	26	20	19	19	19	19	19	19	19	19	19	19	20	20	19	19	23	23
29	17	18	19	19	22	23	27	27	20	20	21	21	23	24	24	25	25	25	25	25	25	23	21	20	22
30	21	21	19	18	19	19	21	26	23	21	21	21	24	25	26	28	28	27	23	21	20	18	19	19	22
31	23	25	21	23	23	21	21	20	-	***	***	21	23	24	25	25	25	25	26	27	29	31	33	31	25
MEAN	22	23	23	23	24	27	27	27	23	22	23	22	22	22	22	22	21	21	21	21	22	22	22	22	22.8

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	26	24	24	24	26	25	25	26	27	24	24	25	29	31	31	27	25	24	23	24	27	25	27	27	26	
2	25	29	26	22	21	22	22	21	21	24	20	19	21	25	***	23	23	24	22	24	28	28	27	23	23	
3	20	18	18	19	20	20	21	23	21	20	20	19	20	20	19	20	20	21	20	20	24	25	24	27	21	
4	31	40	44	53	57	49	44	34	28	23	23	23	23	22	23	22	23	23	23	22	23	27	31	23	31	
5	20	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
6	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
7	14	14	15	13	13	13	15	17	17	15	14	13	13	13	12	13	15	13	13	19	23	16	15	23	15	
8	20	18	17	22	19	18	20	26	22	35	73	21	43	63	29	22	19	19	19	18	19	21	25	26	26	
9	31	26	29	30	30	34	27	40	31	26	23	18	18	***	19	20	19	19	20	22	22	23	23	24	25	
10	23	24	30	30	33	37	38	26	22	22	22	22	23	22	21	21	21	21	21	21	21	22	22	22	24	24
11	21	22	23	24	24	23	23	22	21	20	20	21	22	22	22	22	23	23	24	25	25	25	25	24	23	
12	24	24	23	24	22	22	22	24	22	20	20	18	17	18	20	23	21	19	18	18	19	19	18	18	21	
13	17	17	17	17	17	18	18	20	20	20	21	20	20	20	20	20	22	21	20	21	21	22	22	20	20	
14	23	27	29	40	36	29	23	24	23	22	21	22	23	23	22	22	22	22	22	23	23	24	22	21	23	
15	21	23	23	22	23	27	27	27	25	22	20	21	21	21	21	22	22	22	22	22	23	23	24	22	21	
16	21	21	21	21	21	21	21	22	21	21	22	24	23	22	22	***	19	18	19	18	17	17	17	17	20	
17	17	19	17	18	19	19	19	17	17	15	16	17	16	17	18	18	18	19	21	19	19	18	17	16	18	
18	16	17	15	14	24	22	39	75	18	9	7	8	4	4	3	10	12	11	12	11	14	16	19	12	16	
19	10	10	10	10	9	12	11	12	19	19	18	17	17	18	18	17	17	16	15	17	17	18	20	15	15	
20	21	21	25	29	29	25	25	27	22	***	23	21	21	21	20	20	19	18	17	19	20	21	19	22	22	
21	20	23	26	24	24	25	24	25	27	26	26	27	24	19	17	17	16	15	15	16	16	17	18	21	21	
22	19	21	24	24	24	25	28	27	24	20	19	19	19	18	18	18	18	17	18	18	21	26	27	27	22	
23	25	26	26	25	25	25	25	24	21	21	24	24	22	21	20	20	18	18	19	20	21	21	20	22	22	
24	19	22	24	23	23	25	24	25	23	22	22	22	21	21	20	20	21	20	20	20	18	16	16	21	21	
25	16	17	16	16	16	16	16	15	16	16	16	16	16	16	16	17	16	18	19	19	17	16	14	13	16	
26	13	12	12	13	15	17	14	15	12	14	14	17	17	20	18	17	16	15	15	15	16	16	16	17	20	
27	24	25	22	21	21	25	29	34	25	21	16	17	23	21	19	19	21	18	19	19	22	24	26	21	22	
28	18	19	20	23	25	25	26	26	24	***	23	21	21	19	19	19	20	19	18	20	24	25	27	29	28	
29	21	19	18	18	23	26	25	27	22	20	19	22	21	19	19	20	19	18	20	24	25	30	31	33	26	
30	30	25	24	25	23	23	25	23	22	***	***	23	24	22	22	22	23	23	24	26	29	30	31	33	26	
MEAN	21	22	22	23	24	24	24	26	22	21	22	20	21	20	20	20	19	19	19	20	21	22	23	22	21.5	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	32	33	33	31	31	32	32	32	33	33	33	33	34	34	34	32	32	32	33	34	34	36	33	32	33	
2	31	31	31	30	30	30	31	30	30	31	33	34	32	32	32	32	32	32	32	32	32	32	31	31	31	
3	31	31	31	32	32	32	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
4	30	31	37	42	38	32	31	33	28	25	22	22	20	22	21	22	20	21	22	22	22	22	23	26	25	
5	19	20	21	24	22	22	21	19	18	18	18	18	18	18	19	19	17	17	18	18	19	19	19	19	20	
6	22	22	22	25	25	25	26	29	27	23	22	22	22	20	20	20	21	21	22	21	21	20	19	17	22	
7	19	19	21	22	20	20	21	19	17	17	18	18	18	18	17	17	17	17	17	17	19	19	21	22	19	
8	27	33	33	38	40	34	26	27	23	18	17	18	18	19	18	17	18	17	17	18	21	22	20	21	24	
9	19	18	18	17	17	18	19	19	19	18	18	20	19	18	18	18	18	17	17	17	19	22	21	20	19	
10	21	22	28	30	27	24	24	22	20	19	19	18	19	20	19	17	17	17	17	17	18	20	23	24	21	
11	23	22	24	22	23	25	28	24	21	18	18	19	19	18	18	18	18	17	17	17	17	19	18	17	20	
12	19	17	18	18	18	19	19	22	20	19	19	19	19	18	21	21	21	20	20	20	21	22	23	21	20	
13	22	24	22	21	19	18	19	20	21	21	20	19	20	19	19	19	18	18	19	19	18	18	19	19	20	
14	19	23	28	29	34	33	24	25	26	20	17	20	19	19	19	21	20	20	21	24	23	20	20	19	23	
15	19	18	18	18	19	19	19	19	18	18	18	18	18	19	19	19	18	18	19	19	20	21	21	21	19	
16	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
17	- DATA UNAVAILABLE -																									
18	- DATA UNAVAILABLE -																									
19	- DATA UNAVAILABLE -																									
20	27	26	25	23	22	21	23	22	21	23	22	21	22	22	23	22	21	22	22	22	22	22	23	23	23	
21	23	29	24	24	26	30	30	30	25	23	21	22	25	23	23	22	22	23	24	24	23	28	27	24	25	
22	26	27	28	25	24	24	27	26	24	25	25	23	22	22	22	23	24	25	27	28	29	30	32	34	26	
23	37	40	45	49	50	50	49	50	51	53	54	59	58	60	60	60	60	59	59	58	59	58	56	59	54	
24	62	63	64	64	64	64	61	54	46	41	39	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
25	22	23	23	24	25	27	28	30	24	24	22	20	22	21	21	20	19	19	20	22	22	21	22	25	23	
26	24	22	21	21	21	18	17	19	19	19	20	19	17	18	17	19	18	17	16	18	25	21	20	19	19	
27	17	17	18	19	18	17	19	20	22	24	21	21	20	15	14	14	14	13	13	13	13	13	13	14	17	
28	15	15	16	16	16	17	19	20	19	20	19	19	19	18	19	19	19	18	18	19	20	20	19	18	18	
29	20	20	21	22	24	24	23	24	27	27	26	26	27	27	28	28	28	28	28	28	28	27	27	27	26	
30	26	25	25	25	25	25	25	24	24	25	26	28	29	31	31	31	31	30	30	30	30	29	29	29	28	
31	28	29	29	30	30	31	33	31	27	24	22	21	23	21	21	21	19	18	18	18	19	19	22	25	24	
MEAN	25	26	27	28	28	27	27	27	26	24	23	24	23	23	23	23	22	22	23	23	24	24	24	24	24.5	

PERCENTAGE OF DATA VALID - 85.2 PERCENTAGE OF DATA INVALID - 8.3 PERCENTAGE OF DATA UNAVAILABLE - 6.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION										
		STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - AUG 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	28	30	35	30	36	35	38	25	25	22	21	21	20	20	19	19	19	19	19	20	24	25	24	25	
2	24	26	29	30	29	31	30	27	21	20	21	19	20	21	21	23	34	20	19	21	19	21	24	22	24	
3	24	23	30	35	36	27	25	24	23	22	22	23	26	20	20	20	19	19	19	19	19	20	21	23		
4	21	23	24	27	28	31	33	33	25	21	20	19	21	20	20	20	20	19	19	19	21	21	23	23		
5	27	31	35	35	38	44	35	30	25	21	21	21	22	22	21	20	20	19	18	19	20	22	25	28		
6	33	36	38	41	43	31	28	25	26	26	23	23	22	22	22	22	23	22	23	23	22	21	28			
7	32	34	37	39	43	40	37	35	24	19	19	22	21	21	20	17	16	17	16	16	17	17	17	19		
8	25	26	22	20	18	19	23	26	23	25	21	16	19	15	14	15	13	15	16	17	19	14	15	16		
9	17	16	18	18	18	20	36	26	17	15	15	14	15	14	15	15	16	14	15	15	16	17	16	18		
10	19	19	18	18	19	19	21	22	19	17	17	17	17	18	17	17	18	16	17	17	16	16	19	18		
11	20	21	22	23	25	28	29	28	28	19	17	16	22	21	22	21	21	20	19	20	21	22	22	23		
12	25	26	28	34	39	39	41	28	24	21	22	23	23	23	23	22	22	22	23	22	24	27	33			
13	33	40	38	48	57	64	66	54	45	37	29	28	28	27	26	25	24	23	22	24	25	26	27			
14	27	27	32	46	56	58	61	48	42	23	18	16	19	17	17	18	17	16	17	16	16	17	18			
15	17	17	18	19	18	19	18	21	19	18	18	16	18	18	17	16	16	15	15	15	14	15	15			
16	16	17	17	17	17	16	17	16	15	17	17	17	18	18	18	19	18	18	19	18	19	21	22			
17	22	22	22	23	23	25	30	31	25	24	24	25	25	24	24	16	15	15	15	15	17	20	18			
18	23	27	23	25	28	27	23	22	21	19	19	20	20	19	18	17	16	17	16	17	17	18	17			
19	19	18	18	17	18	19	18	19	16	17	17	17	18	17	18	16	17	17	18	18	18	19	19			
20	19	19	21	19	22	20	21	21	21	21	21	22	22	22	22	21	21	22	22	21	23	22	23			
21	22	25	30	34	37	46	48	35	29	23	23	23	25	23	24	26	24	23	23	23	25	26	24			
22	25	24	28	30	31	34	40	41	35	26	23	23	24	25	23	22	21	19	19	21	23	23				
23	26	31	40	45	42	37	32	31	33	23	21	20	19	19	19	19	19	19	19	20	20	26				
24	23	23	23	23	22	22	22	26	26	25	23	27	22	20	19	19	18	17	17	19	20	23				
25	20	19	19	18	18	19	19	20	20	20	20	21	20	21	20	20	19	18	18	18	18	18				
26	19	20	21	19	18	18	18	19	19	19	19	20	20	20	19	19	19	19	18	18	18	18				
27	20	20	20	18	19	20	21	21	20	23	23	23	26	26	28	28	26	24	22	21	19	20				
28	17	17	18	18	17	18	17	16	16	16	16	16	18	17	18	18	18	18	18	19	19	19				
29	23	23	26	26	27	29	35	35	29	29	29	28	***	19	19	19	19	18	18	19	20	24				
30	25	25	27	28	28	31	32	35	33	34	24	25	22	22	22	22	20	19	19	22	24	29				
31	55	56	42	32	28	27	27	28	27	22	21	22	21	22	23	24	19	14	16	19	17	17				
MEAN	24	25	26	28	29	29	30	28	25	22	21	21	21	20	20	20	19	19	19	19	20	21	22	23	22	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION										
		STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - SEP 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		33	30	25	32	40	52	67	62	42	36	33	32	****	24	22	20	18	****	15	18	18	17	17	19	31
2		19	20	20	21	28	32	31	30	22	22	20	19	19	18	18	18	17	17	17	18	19	19	18	18	21
3		18	18	18	17	***	***	***	***	***	***	17	17	18	18	17	17	17	17	17	16	16	15	15	15	17
4		15	16	16	18	18	19	17	18	18	17	18	18	19	19	19	22	21	20	19	19	21	****	23	26	19
5		27	28	26	25	24	24	35	36	30	28	26	23	23	21	21	19	18	17	18	20	21	29	36	33	25
6		38	34	33	38	51	52	49	42	34	31	28	25	25	25	24	23	22	23	23	24	26	26	25	22	31
7		24	27	27	24	19	20	23	25	23	***	***	24	27	30	31	34	34	34	32	32	31	32	34	34	28
8		30	30	28	30	28	27	27	33	30	29	29	30	32	30	24	21	18	17	18	20	18	18	18	17	25
9		18	18	18	18	17	18	18	19	19	18	18	19	21	22	21	21	20	19	18	18	19	20	20	19	19
10		21	21	20	21	22	22	23	24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
11		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	28	33	27	26	27	****
12		29	29	28	26	26	27	29	31	27	27	26	24	23	22	21	22	20	19	18	14	18	20	19	19	24
13		19	19	19	19	20	20	19	17	****	11	11	11	10	10	10	10	9	10	10	11	10	11	12	13	14
14		13	13	13	13	13	14	15	16	14	14	14	14	14	14	12	12	12	13	11	11	11	12	11	11	13
15		13	14	20	14	13	15	18	21	16	14	13	***	14	13	14	12	13	11	12	12	11	12	12	12	14
16		13	14	16	13	13	15	15	14	13	13	13	14	14	14	13	12	13	11	11	11	10	10	11	10	13
17		10	10	11	11	13	15	15	16	20	19	15	14	14	11	11	10	11	11	11	11	12	14	13	12	13
18		11	11	10	8	9	10	12	13	13	12	12	11	11	9	10	6	2	4	6	8	10	****	****	****	9
19		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	26	30	33	23	22	23	****
20		22	22	23	24	25	26	28	32	32	30	37	23	21	18	16	17	14	15	18	22	24	25	16	17	23
21		18	20	17	19	18	18	21	26	26	23	20	16	17	17	16	16	16	15	15	15	15	15	16	16	18
22		17	17	18	18	19	20	21	23	21	22	20	20	22	20	21	21	19	20	20	23	24	24	24	25	21
23		27	29	29	30	31	33	35	39	33	27	23	22	22	22	22	21	21	20	21	22	23	24	27	31	26
24		35	38	46	48	49	57	53	43	37	36	32	32	34	32	28	26	24	24	25	27	25	26	25	24	34
25		24	23	21	21	21	23	23	25	26	25	23	22	22	22	22	23	21	20	20	20	19	20	23	22	27
26		27	26	22	24	25	32	30	33	28	26	24	22	24	22	22	24	25	26	27	29	29	30	30	31	27
27		30	32	35	32	32	33	32	36	31	28	28	27	27	27	26	27	27	25	22	21	22	23	23	23	28
28		24	24	25	25	26	27	30	31	28	24	24	23	23	21	21	21	21	23	26	31	29	28	24	25	25
29		27	25	25	28	28	31	31	39	33	23	23	22	22	22	22	23	22	22	24	29	33	37	30	30	27
30		33	31	31	30	31	30	29	28	27	26	27	26	26	26	24	27	26	27	26	30	25	26	28	28	28
MEAN		23	23	23	23	24	26	28	29	26	23	22	21	21	20	20	19	19	19	19	20	21	22	21	21	22.2

PERCENTAGE OF DATA VALID - 90.6 PERCENTAGE OF DATA INVALID - 9.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
		STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - OCT 78											
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		28	28	28	27	27	29	28	28	28	27	24	23	23	23	22	22	22	23	25	26	27	30	30	30	26	
2		36	39	39	53	59	62	90	93	51	35	32	30	28	27	25	26	25	25	26	26	27	28	29	29	39	
3		29	29	29	30	29	30	31	32	30	29	27	27	28	29	29	29	28	27	29	28	30	27	32	31	29	
4		28	30	30	29	30	29	29	30	28	28	28	28	28	25	25	25	*****	*****	*****	*****	*****	*****	*****	*****	28	
5		*****	*****	*****	*****	*****	*****	*****	*****	22	22	20	19	17	18	20	20	19	19	19	19	19	19	19	19	20	
6		20	19	19	19	19	19	20	21	*****	22	21	21	20	19	20	20	19	19	19	20	19	20	20	19	20	
7		18	19	20	21	19	20	20	21	20	20	20	21	22	22	22	22	22	22	23	30	33	44	48	53	26	
8		21	21	21	21	20	21	22	21	21	21	22	22	22	22	22	22	22	22	23	30	33	44	48	53	26	
9		54	55	57	60	62	61	63	46	35	27	26	25	24	23	21	21	22	22	23	24	24	25	25	25	35	
10		26	25	25	25	25	26	28	31	27	28	28	27	26	25	24	24	24	23	22	24	23	22	23	23	25	
11		24	25	26	26	25	26	26	27	23	24	24	24	24	23	22	23	22	21	20	20	20	21	21	21	23	
12		22	20	21	20	21	21	21	23	23	24	23	23	23	23	24	22	22	22	24	25	26	33	35	35	24	
13		31	31	30	36	33	30	33	35	33	33	31	27	24	25	****	23	21	21	20	20	21	19	19	19	27	
14		18	18	18	18	18	20	22	23	22	21	21	22	21	22	24	25	25	25	25	25	25	26	29	30	23	
15		29	28	27	27	28	28	28	29	28	28	27	28	28	29	30	30	30	30	30	29	29	28	28	27	28	
16		26	25	25	25	25	26	26	25	23	22	22	22	23	23	23	23	22	22	22	22	22	23	24	23	24	
17		23	26	26	28	30	32	34	42	43	35	27	25	24	24	25	26	26	25	25	25	25	25	24	25	28	
18		25	25	26	25	26	26	26	27	25	25	25	25	25	25	24	24	24	26	26	29	28	28	26	26	26	
19		25	24	23	23	24	26	28	32	32	31	25	23	21	20	20	19	19	19	19	19	21	21	22	21	23	
20		21	22	24	27	28	33	38	41	38	****	27	21	18	17	19	20	19	18	19	18	19	26	24	25	24	
21		23	22	22	24	25	23	23	24	23	23	24	24	24	24	24	24	25	26	27	27	25	25	24	24	24	
22		24	26	27	28	27	28	28	30	30	28	29	29	32	32	34	34	32	34	31	29	30	30	29	30	30	
23		24	23	23	24	25	25	26	24	23	21	20	20	19	19	19	19	19	18	18	18	19	18	19	21	21	
24		19	27	43	39	36	51	63	69	53	****	20	19	18	18	18	18	19	18	21	21	19	21	22	21	19	29
25		18	19	19	18	18	19	21	22	20	18	19	19	18	18	19	17	16	16	16	17	17	18	19	19	18	
26		19	18	19	19	18	19	21	20	20	20	20	22	21	21	19	20	19	18	18	18	17	17	19	18	19	
27		18	26	25	21	22	22	21	23	22	19	19	19	19	19	19	21	23	23	27	31	23	32	27	25	23	
28		22	24	24	25	27	26	25	23	23	21	21	21	22	22	22	22	22	22	22	22	22	27	26	24	24	23
29		25	24	26	25	24	23	23	25	25	24	23	23	22	22	22	21	21	21	22	23	26	25	25	24	28	24
30		24	23	21	24	28	27	25	26	25	23	22	22	22	22	20	20	22	24	24	25	27	30	30	24	24	
31		23	23	27	29	34	36	36	48	53	42	34	27	23	22	22	21	19	20	20	18	18	21	21	21	21	27
MEAN		25	25	26	27	28	29	31	32	29	26	24	24	23	23	23	23	22	22	23	23	24	25	25	25	25.2	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	22	21	21	22	23	36	45	44	33	25	23	23	24	23	23	21	22	22	24	25	27	31	29	26
2	33	30	27	27	23	25	27	28	33	32	32	30	27	24	23	22	24	28	30	36	42	41	49	71	32
3	53	46	47	48	53	51	57	75	98	66	34	***	23	23	22	23	24	24	25	26	27	27	32	32	41
4	34	43	58	47	32	32	35	34	35	33	30	27	25	24	24	24	26	25	33	27	30	31	32	32	41
5	41	38	37	28	27	27	26	26	25	25	24	22	22	21	21	21	21	21	20	20	19	20	21	22	25
6	20	21	22	24	21	18	17	18	18	20	20	19	19	19	20	21	21	20	19	19	19	19	19	24	20
7	24	23	21	20	18	18	18	21	24	22	21	20	21	21	21	21	21	22	22	23	23	30	30	28	22
8	33	39	29	28	26	27	34	57	56	32	25	22	22	22	22	22	23	23	22	22	22	21	20	19	28
9	19	19	20	20	20	21	21	23	23	21	23	22	21	21	20	21	22	26	28	25	31	22	24	28	23
10	26	27	28	30	26	25	25	29	28	22	20	20	19	****	19	19	21	23	24	23	26	27	35	38	25
11	29	29	27	30	34	37	35	36	38	41	47	43	39	41	40	42	37	32	29	27	25	24	24	24	34
12	24	24	24	24	24	24	24	25	26	26	26	26	26	27	27	27	27	27	27	27	27	27	27	28	26
13	28	27	27	27	27	27	27	29	31	29	27	26	25	26	26	26	26	26	26	25	25	26	26	28	27
14	27	24	24	24	25	25	25	24	23	22	21	21	21	20	21	21	22	22	21	21	21	21	20	20	22
15	21	20	20	20	20	21	22	22	23	23	24	23	26	27	27	27	27	26	27	-	35	36	32	25	28
16	33	35	37	31	34	35	40	38	39	32	25	24	22	24	24	24	25	24	23	22	22	21	21	21	28
17	22	22	21	21	-	-	-	****	****	****	19	19	19	19	17	17	19	18	19	18	19	19	19	19	19
18	19	19	20	21	19	18	19	20	21	21	21	21	21	22	22	21	21	21	22	22	22	22	22	21	21
19	24	25	24	26	25	24	25	23	24	25	26	28	27	26	29	27	27	26	27	26	28	27	29	30	26
20	30	29	28	30	27	26	27	29	30	29	27	25	24	24	23	23	24	22	21	21	21	21	20	21	25
21	21	21	22	22	23	24	25	27	27	26	23	23	22	22	23	23	24	24	22	23	23	25	28	29	24
22	30	30	29	30	33	34	32	34	37	36	38	30	33	34	38	38	40	34	29	26	25	26	27	26	32
23	27	27	26	28	27	27	28	29	30	27	26	27	24	23	****	22	24	22	22	22	21	21	21	21	25
24	20	20	20	20	21	21	21	22	22	22	21	21	21	21	21	21	22	21	21	21	21	21	20	20	21
25	20	21	21	21	21	22	23	24	24	24	26	25	23	21	22	22	23	25	25	24	25	25	24	25	23
26	25	24	23	22	21	20	20	20	20	20	20	20	20	19	20	20	20	19	20	20	20	20	20	20	21
27	20	19	19	19	19	20	20	20	20	21	20	22	****	20	23	23	27	25	25	24	24	25	25	22	22
28	21	24	23	22	22	22	24	25	25	23	22	22	22	23	23	22	23	23	22	21	21	23	21	21	23
29	22	23	22	20	22	23	24	27	26	21	21	21	21	19	19	19	19	21	22	19	19	19	19	19	21
30	20	20	19	18	18	18	19	20	20	21	20	19	20	20	19	20	23	20	21	22	22	23	24	26	21
MEAN	26	26	26	26	25	25	27	29	31	27	25	24	23	23	23	23	24	24	24	24	24	25	26	27	25.3

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	26	25	25	25	26	23	23	25	26	****	21	19	18	18	18	22	21	20	19	19	21	21	20	19	22
2	19	19	19	18	18	18	19	19	20	21	22	23	22	22	22	21	20	19	20	20	19	19	19	19	20
3	19	19	18	18	18	17	17	18	18	19	20	21	21	22	21	21	20	18	18	16	17	18	19	19	19
4	19	20	21	21	20	19	18	19	19	19	19	19	19	19	19	20	21	20	19	19	18	18	18	19	19
5	19	19	18	19	19	19	20	21	22	21	22	22	22	22	22	24	26	25	27	26	25	26	28	32	23
6	32	31	32	29	27	28	33	33	37	35	30	28	29	27	26	26	27	26	26	25	26	26	26	26	29
7	26	26	25	24	23	24	25	26	25	24	25	26	27	28	28	27	23	22	23	22	24	22	23	23	25
8	22	18	17	15	14	14	15	16	****	17	22	22	23	23	24	25	25	25	22	21	20	20	20	19	20
9	19	19	18	17	17	17	17	18	18	18	19	19	18	18	17	17	18	18	19	19	19	19	18	18	18
10	19	20	19	18	19	19	21	23	23	23	22	22	21	21	21	22	22	22	23	23	25	26	26	28	22
11	28	27	28	27	24	25	25	25	26	26	25	25	25	26	26	27	29	23	22	21	23	25	26	27	25
12	24	25	25	25	26	26	28	29	29	28	27	24	23	22	23	22	22	21	18	18	17	17	16	15	23
13	17	17	17	16	17	18	23	22	21	21	18	****	****	19	19	19	19	19	19	18	18	18	18	19	19
14	20	19	19	19	20	20	21	22	23	24	23	****	****	21	21	21	20	19	19	19	19	19	19	20	19
15	19	19	19	19	19	19	19	20	21	****	22	25	27	27	28	30	30	31	28	26	27	27	26	28	24
16	28	29	29	30	28	26	24	26	28	27	25	25	26	24	22	23	24	25	26	24	22	21	20	20	25
17	20	20	19	19	19	19	19	19	19	20	20	21	22	22	23	22	22	22	23	23	23	23	24	24	21
18	24	24	23	23	22	25	26	25	26	24	23	22	21	22	22	23	22	21	19	18	16	16	16	16	22
19	16	16	16	15	15	14	14	15	16	16	18	18	20	21	19	19	18	18	18	17	17	17	17	17	17
20	17	17	17	17	16	15	15	16	19	18	19	20	21	21	22	24	26	29	32	28	23	21	19	18	20
21	16	16	15	15	14	14	13	14	14	15	16	17	19	19	20	20	21	20	20	20	20	22	21	21	18
22	20	19	19	18	18	18	18	19	21	20	20	20	22	23	24	25	24	24	23	23	23	22	20	21	21
23	20	22	23	22	22	21	22	22	23	22	24	26	25	25	24	24	25	25	22	21	20	20	20	22	23
24	22	21	21	21	23	21	20	20	21	20	19	19	19	19	19	19	19	21	21	21	23	27	28	23	21
25	19	19	18	18	16	15	15	15	15	15	15	15	15	15	16	16	17	17	17	17	17	18	18	17	
26	19	20	21	20	19	19	20	21	22	21	21	20	19	19	18	18	18	19	18	17	17	17	17	17	19
27	17	17	18	19	20	19	18	17	18	18	18	18	19	19	19	20	21	22	21	21	22	22	21	22	19
28	22	23	22	23	22	21	24	28	32	35	29	26	25	23	-	-	-	-	-	-	-	-	-	-	*****
29	- DATA UNAVAILABLE -																								
30	- DATA UNAVAILABLE -																								
31	- DATA UNAVAILABLE -																								
MEAN	21	21	21	20	20	20	20	21	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21	21.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	23.0	34	46
FEB	28	22.4	28	43
MAR	28	20.8	30	54
APR	28	21.0	27	45
MAY	31	22.8	34	98
JUN	28	21.5	31	75
JUL	25	24.5	54	64
AUG	31	22.9	35	66
SEP	27	22.2	34	67
OCT	30	25.2	39	93
NOV	30	25.3	41	98
DEC	27	21.2	29	37
YEAR	343	22.7	54	98

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141- 200	201&OVER	TOTAL
JAN	34	130	475	90	0	0	0	0	729
FEB	0	187	439	45	0	0	0	0	671
MAR	4	352	294	46	0	0	0	0	696
APR	0	269	400	18	0	0	0	0	687
MAY	0	243	430	52	7	1	0	0	733
JUN	13	231	402	30	3	0	0	0	679
JUL	0	211	311	105	7	0	0	0	634
AUG	0	290	366	83	3	0	0	0	742
SEP	26	232	307	85	2	0	0	0	652
OCT	0	115	531	68	7	1	0	0	722
NOV	0	63	552	89	3	1	0	0	708
DEC	0	268	375	12	0	0	0	0	655
YEAR	77	2591	4882	723	32	3	0	0	8308

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.8	2	16.1	18.8	21.1	23.8	29.6	33.1	40.8	51.0	98	22.7



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION											
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JAN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	32	31	30	29	29	29	29	30	30	30	29	29	29	27	26	27	27	28	29	30	30	30	29	30
2	29	29	28	27	29	29	29	27	25	26	25	23	23	21	23	25	23	25	23	23	23	24	24	25
3	26	28	***	24	24	24	24	24	24	24	24	24	24	-	-	-	29	27	26	27	27	28	28	29
4	28	28	33	30	35	31	32	37	35	35	38	39	30	28	27	28	28	26	27	28	32	29	29	31
5	28	31	31	31	33	35	44	48	56	58	44	41	52	55	47	44	41	35	41	38	37	44	35	41
6	35	36	31	36	35	34	33	33	34	34	36	34	37	34	33	31	32	34	30	29	41	32	28	29
7	29	27	28	28	28	27	27	28	28	28	30	30	30	32	31	31	31	30	30	34	30	31	29	29
8	30	28	28	28	28	30	39	32	30	29	30	30	29	29	29	24	23	22	23	23	22	22	22	27
9	22	22	22	21	21	21	21	21	21	21	21	21	21	21	***	24	25	26	24	23	23	23	24	22
10	24	23	23	23	23	23	23	23	23	23	24	24	24	24	24	24	25	27	26	26	26	27	26	24
11	26	25	24	23	25	24	24	24	23	23	22	22	22	22	22	23	23	25	23	24	24	24	23	24
12	29	29	***	30	36	39	39	35	34	35	30	25	23	23	23	24	25	25	26	27	29	30	29	30
13	31	31	29	28	28	27	27	29	29	28	26	29	30	31	31	30	31	32	28	27	27	33	27	28
14	26	25	25	25	25	25	25	25	25	26	27	27	28	29	29	30	30	29	29	28	28	30	30	31
15	29	28	27	28	28	28	29	29	29	28	26	25	26	23	22	22	23	25	25	25	24	25	26	25
16	26	25	23	24	25	25	24	26	26	27	33	42	39	40	***	43	37	34	34	35	39	56	59	54
17	45	40	37	36	47	41	38	31	29	27	28	29	36	30	28	31	29	27	27	26	27	28	27	32
18	28	28	28	29	29	30	32	35	34	33	30	30	33	30	25	27	35	41	35	37	38	43	56	49
19	42	43	41	48	48	41	39	44	51	48	39	32	34	32	31	30	29	30	30	30	29	28	26	36
20	27	27	27	29	29	27	27	28	29	29	28	28	30	30	31	31	34	34	33	31	35	36	32	33
21	34	34	34	34	34	34	35	40	39	39	38	39	39	36	35	35	35	37	35	34	36	47	37	39
22	40	45	67	39	46	33	35	54	57	54	48	38	35	33	52	44	48	51	50	32	34	39	49	52
23	51	49	47	47	39	42	45	53	54	49	50	53	50	45	46	39	38	38	39	41	39	41	56	57
24	59	54	54	49	51	47	43	42	39	44	48	36	28	36	42	39	36	39	39	44	50	55	36	44
25	39	39	37	36	36	36	37	38	33	31	33	34	32	31	34	38	32	32	30	28	32	31	28	34
26	24	23	23	23	27	31	35	35	32	34	26	-	-	-	-	24	23	23	25	26	27	28	29	27
27	30	30	30	31	31	31	32	32	31	31	32	32	31	31	32	32	30	31	30	31	34	33	33	31
28	32	32	32	32	29	32	35	35	36	36	37	36	35	35	36	36	35	36	37	39	36	37	36	34
29	32	31	32	32	34	35	35	35	35	35	35	33	33	34	33	34	34	36	38	37	39	36	37	35
30	37	37	37	39	38	37	39	39	41	42	40	38	37	33	31	29	28	31	27	28	35	32	31	31
31	29	30	32	36	34	30	30	31	33	31	28	30	31	31	30	28	29	28	26	26	26	28	29	30
MEAN	32	32	32	31	32	32	32	34	34	34	32	32	32	32	32	31	31	31	30	30	31	33	33	33

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION													
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	35	34	33	34	30	27	29	30	29	26	27	26	28	29	28	27	35	29	28	30	30	32	30	31	30	
2	31	33	32	35	36	34	36	36	37	31	31	31	29	30	30	30	29	30	28	29	31	30	31	32	31	
3	30	30	30	29	29	30	29	30	31	29	29	30	29	30	31	34	35	35	36	35	36	47	35	43	33	
4	42	45	54	54	53	41	40	39	42	44	38	34	33	32	31	31	32	31	31	33	39	35	37	31	34	
5	31	32	33	31	38	31	31	32	31	31	30	30	30	29	29	29	29	29	30	30	29	32	29	31	31	
6	28	29	30	29	29	31	31	30	31	30	26	27	30	29	28	29	30	31	28	29	28	32	28	29	29	
7	28	28	27	27	26	26	26	27	27	26	27	28	28	28	28	28	32	30	28	28	28	30	31	28	28	
8	28	27	27	27	29	29	30	31	30	28	24	27	28	26	24	28	31	37	34	33	32	32	33	31	29	
9	30	29	30	32	31	31	33	34	35	32	31	26	24	24	23	29	30	32	30	26	30	33	32	31	30	
10	32	31	30	30	29	29	31	32	34	34	32	28	22	25	27	27	27	25	23	25	26	27	27	27	28	
11	27	27	27	28	27	27	28	27	28	28	28	26	27	28	27	27	26	25	26	26	24	25	26	28	27	
12	25	25	26	24	24	25	24	26	27	29	27	26	25	26	26	25	25	25	26	28	29	30	30	28	26	
13	29	27	27	28	28	31	33	40	41	36	33	32	31	29	30	28	30	31	29	29	27	27	28	28	31	
14	28	28	28	29	31	31	31	34	32	31	30	30	31	31	31	32	31	29	28	31	39	49	57	63	34	
15	56	55	50	44	44	41	44	44	41	37	36	49	47	36	32	32	32	31	32	34	34	34	34	36	40	
16	40	56	50	55	50	40	37	36	29	30	32	30	33	35	35	35	40	35	41	40	29	29	28	27	27	
17	27	27	27	26	27	27	27	28	28	29	27	25	31	26	24	24	23	24	24	25	26	36	27	27	37	
18	28	27	25	28	24	29	27	29	31	26	25	24	23	24	24	22	21	22	24	23	26	28	26	28	27	
19	25	25	23	24	22	22	22	22	25	24	23	21	20	20	20	20	20	21	24	26	24	25	28	36	33	
20	38	33	33	32	28	29	29	32	34	37	67	69	31	33	29	26	25	26	24	27	28	33	32	28	33	
21	29	33	29	28	26	26	27	26	29	26	24	22	23	22	22	22	21	21	21	21	21	21	21	21	24	
22	19	19	19	18	18	19	19	19	19	20	19	20	18	19	19	19	19	21	23	22	23	22	23	24	30	
23	25	25	25	24	25	31	48	40	63	55	39	31	32	32	34	32	32	41	36	28	26	27	25	23	73	
24	23	23	22	21	21	21	22	25	23	24	23	24	22	24	26	29	34	33	31	27	32	24	22	25	25	
25	27	30	22	24	24	24	24	23	22	23	23	22	22	23	24	24	23	26	25	23	23	23	22	22	25	
26	22	23	23	23	22	22	22	21	21	21	20	20	21	21	21	20	20	20	21	23	23	23	28	26	22	
27	23	20	19	19	19	20	21	22	22	22	21	20	21	20	21	20	20	21	21	28	36	35	41	35	24	
28	30	35	26	25	24	23	25	32	27	27	25	21	27	28	27	26	25	25	25	24	24	24	22	22	26	
MEAN	30	31	29	30	29	28	30	30	31	30	29	29	27	27	27	27	28	28	28	28	29	30	30	30	28	28



UNITS - 0.1 PARTS/MILLION

	STATION - SW NO 14049					156 VICTORIA ST NORTH					SARNIA					MONTH - MAR					78				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	20	20	20	19	19	19	20	20	20	20	20	20	20	20	20	22	20	19	20	22	27	26	23	21
2	26	26	27	25	26	24	25	29	31	28	24	21	22	25	25	24	***	46	30	23	96	88	37	22	33
3	24	23	20	19	20	20	21	22	***	***	23	21	21	21	20	20	21	23	22	21	23	25	22	24	22
4	20	19	19	18	19	19	18	18	19	18	18	18	19	19	19	19	21	22	21	22	22	21	21	20	20
5	21	19	19	20	21	21	21	23	21	20	20	19	20	20	20	20	21	29	38	37	25	24	22	22	23
6	23	23	23	22	22	21	34	34	42	40	30	36	29	24	26	24	24	25	25	25	28	32	35	45	29
7	36	37	28	28	27	26	27	40	61	69	71	55	31	26	25	26	30	27	26	26	25	24	23	22	34
8	22	22	22	22	23	23	24	27	26	25	25	25	25	24	24	23	25	25	24	24	23	23	24	25	46
9	25	28	40	36	38	56	114	94	58	55	37	32	33	36	35	27	33	34	36	***	53	50	50	46	24
10	39	37	30	31	31	32	27	26	25	25	24	23	23	24	24	24	25	24	24	30	25	30	36	37	32
11	41	47	42	30	31	29	29	37	38	35	30	27	27	28	26	26	26	27	27	32	30	37	32	31	28
12	29	30	31	30	27	23	22	22	21	22	22	21	20	21	21	20	20	20	21	23	23	40	40	32	25
13	42	45	44	30	27	29	30	29	28	25	25	25	23	23	22	25	25	25	24	24	22	23	23	28	28
14	23	23	22	22	22	22	22	25	35	45	31	23	24	24	24	23	24	22	21	22	22	21	21	21	24
15	21	20	19	19	19	20	20	21	23	22	22	22	22	21	21	21	24	23	22	23	24	21	20	21	21
16	22	21	21	20	21	21	22	23	25	25	24	26	23	24	22	23	26	24	22	24	27	32	26	21	24
17	21	20	20	20	21	21	20	22	20	22	20	***	22	22	20	21	19	20	20	21	24	23	22	23	21
18	23	23	22	21	21	21	20	22	22	21	21	20	26	28	32	27	25	24	24	25	28	35	37	41	25
19	23	21	18	19	19	19	19	20	19	19	18	18	18	18	19	19	19	18	20	21	22	24	22	23	20
20	25	26	21	21	22	22	24	23	21	21	20	20	20	***	23	22	21	21	21	21	20	22	31	26	22
21	28	40	68	66	50	29	32	32	28	23	24	24	25	24	23	24	25	24	23	21	21	21	21	21	30
22	21	21	20	21	22	24	26	49	43	***	29	29	28	29	24	22	25	24	22	25	24	25	20	21	26
23	22	23	23	26	25	22	28	34	***	21	22	21	22	22	22	23	23	21	21	23	22	20	21	21	23
24	20	20	21	21	21	21	21	21	21	20	20	20	21	21	21	20	20	20	20	21	21	20	20	21	23
25	21	21	21	21	21	21	21	21	21	21	24	21	21	21	21	21	20	21	20	21	21	21	20	20	21
26	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	22	21	20	20	21	21	21	22	21	20
27	21	20	20	20	21	19	20	19	20	19	20	20	22	22	23	23	22	21	21	22	21	22	22	23	21
28	25	25	24	37	37	36	36	39	40	43	35	27	25	24	23	24	24	23	22	24	23	22	22	23	28
29	21	21	20	20	21	21	21	21	22	22	22	22	21	22	24	24	23	22	23	22	23	24	27	25	23
30	40	28	25	28	28	27	27	29	28	24	23	23	25	28	26	30	32	34	35	41	24	26	24	26	28
31	27	30	27	39	28	25	24	23	22	26	27	25	24	23	23	23	22	21	21	21	22	23	22	28	25
MEAN	26	26	26	26	25	24	27	28	28	27	26	24	23	23	23	23	23	24	24	24	27	28	26	26	25.3

PERCENTAGE OF DATA VALID - 98.9      PERCENTAGE OF DATA INVALID - 1.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*.\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 14049

MONTH - APR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	39	55	49	43	42	41	21	19	19	19	20	19	19	19	19	19	18	18	18	18	19	19	20	20	26
2	21	19	19	19	19	19	20	19	19	20	19	19	20	20	20	21	20	20	20	20	21	20	20	20	20
3	21	20	21	20	20	20	21	21	22	22	22	21	21	21	22	22	21	22	21	22	22	21	21	21	22
4	23	21	22	22	21	22	23	30	24	24	24	37	38	30	36	53	54	30	25	24	23	23	23	23	29
5	23	23	23	23	24	25	25	26	25	23	23	22	23	22	22	21	22	23	23	21	22	22	27	23	22
6	22	22	23	22	21	22	23	23	22	22	22	23	23	22	22	22	22	22	22	23	23	22	23	25	22
7	22	20	20	21	21	23	28	22	22	22	22	23	23	22	21	22	23	23	21	22	22	23	22	24	22
8	22	22	22	21	21	21	21	21	22	23	23	22	22	22	22	22	22	22	21	22	23	22	21	21	22
9	24	21	21	22	23	23	24	21	20	21	21	21	22	21	21	20	21	20	21	23	22	21	21	21	22
10	21	21	22	22	20	21	22	23	23	22	23	23	23	23	22	23	24	***	24	23	24	26	24	23	23
11	27	42	49	54	24	22	23	22	23	22	22	22	22	22	21	21	21	21	21	21	21	21	21	21	25
12	21	21	21	21	22	23	24	25	30	25	25	26	28	29	36	28	22	22	22	22	22	22	21	21	24
13	21	21	21	21	21	21	21	21	22	22	21	21	21	21	21	21	21	20	20	20	20	20	21	22	21
14	21	22	21	21	21	21	21	21	21	21	21	21	21	22	22	21	22	23	21	21	22	23	23	25	22
15	26	23	22	21	21	21	21	20	20	20	21	22	22	21	23	22	21	21	21	21	22	24	27	23	26
16	24	25	27	30	27	28	25	22	21	20	20	21	21	20	20	20	20	19	20	21	20	21	22	24	22
17	22	21	22	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	***	22	21	22	23	22	22
18	22	21	22	21	21	21	22	22	22	22	21	23	21	21	21	21	21	21	21	21	22	23	22	23	24
19	23	22	22	22	22	21	22	24	***	25	24	24	25	25	23	23	23	23	22	22	21	21	21	21	22
20	21	22	21	21	21	21	21	21	22	22	21	21	22	22	22	23	23	22	22	22	21	21	21	21	22
21	21	21	21	21	21	21	21	21	***	21	21	22	21	21	21	20	21	19	20	20	21	22	21		21
22	23	24	24	25	23	24	23	22	22	22	22	21	21	21	22	21	20	20	20	20	21	25	28	29	22
23	28	28	27	29	30	27	23	22	20	20	20	20	20	20	19	19	19	19	20	21	23	24	23	22	23
24	23	24	23	21	21	21	22	24	22	22	23	23	22	***	21	22	21	21	21	21	20	21	21	20	22
25	20	20	20	22	22	22	22	21	21	21	21	21	20	20	19	19	20	19	20	19	18	19	19	19	20
26	19	19	19	19	19	19	19	23	21	21	21	21	21	20	20	21	20	19	19	19	19	19	19	19	20
27	18	19	19	19	19	19	19	19	19		22	22	22	21	21	22	22	22	20	21	22	21	22	21	20
28	21	21	24	23	21	21	21	21	22	24	24	24	22	22	22	22	23	21	21	24	31	33	34	45	24
29	48	44	32	27	27	25	23	22	21	20	20	19	19	19	19	19	19	19	19	19	19	19	20	20	23
30	19	20	23	19	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	19	20	20	19	19
MEAN	24	24	24	24	22	23	22	22	22	22	22	22	22	22	22	22	23	21	21	21	22	22	22	23	22.3

PERCENTAGE OF DATA VALID - 99.0      PERCENTAGE OF DATA INVALID - 0.8      PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \* \* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	21	21	21	22	21	20	20	20	21	22	21	21	20	20	21	19	21	24	22	28	29	29	21	22
2	21	20	20	21	20	21	20	19	19	18	18	17	18	18	18	17	18	19	22	21	23	22	20	21	20
3	20	21	22	22	22	21	22	22	22	21	24	23	22	22	22	22	24	23	26	26	25	25	26	28	23
4	26	23	24	24	25	25	23	23	25	23	24	23	23	24	22	20	18	19	21	22	24	26	23	23	23
5	25	27	31	35	40	36	39	52	47	34	27	22	24	21	22	21	20	21	22	25	30	31	26	27	29
6	41	40	37	34	53	42	33	32	25	23	24	22	***	21	21	21	19	20	19	22	25	22	22	25	23
7	23	25	23	24	26	23	24	32	33	27	20	21	21	20	19	20	19	20	22	22	19	19	18	19	18
8	30	19	25	20	21	22	24	17	16	16	16	16	15	15	15	15	15	16	16	19	19	22	34	39	32
9	19	20	25	19	19	21	21	17	15	15	15	15	16	19	20	18	19	19	19	22	34	39	32	23	21
10	20	19	19	20	20	18	18	18	17	18	18	17	***	18	18	18	19	18	19	20	20	18	20	21	19
11	19	20	19	17	18	18	18	17	17	19	19	18	19	18	19	19	17	17	18	19	21	23	27	20	19
12	19	20	21	27	33	27	55	52	29	19	17	18	19	18	18	19	21	19	21	23	21	21	22	23	24
13	18	17	18	20	22	24	32	27	23	23	24	22	25	23	21	20	19	21	19	20	21	21	21	21	22
14	22	20	20	20	21	20	19	18	***	18	18	17	15	18	17	16	15	15	16	18	18	19	20	21	18
15	20	31	39	29	38	32	24	23	20	17	16	19	17	17	17	16	17	18	18	18	20	16	17	17	22
16	17	17	17	18	17	15	16	16	16	15	15	15	14	14	15	15	14	15	16	17	18	19	18	16	16
17	18	17	18	16	18	17	17	18	16	17	18	16	16	18	18	16	15	15	15	16	18	20	22	26	18
18	22	27	24	38	44	39	32	34	29	22	23	24	22	20	18	19	19	19	20	20	21	20	22	20	25
19	19	20	24	39	43	35	34	39	26	35	-	-	-	-	-	-	-	-	-	-	-	-	-	*****	-
20	- DATA UNAVAILABLE -																								
21	- DATA UNAVAILABLE -																								
22	- DATA UNAVAILABLE -																								
23	- DATA UNAVAILABLE -																								
24	- DATA UNAVAILABLE -																								
25	- DATA UNAVAILABLE -																								
26	- DATA UNAVAILABLE -																								
27	- DATA UNAVAILABLE -																								
28	- DATA UNAVAILABLE -																								
29	- DATA UNAVAILABLE -																								
30	- DATA UNAVAILABLE -																								
31	- DATA UNAVAILABLE -																								
MEAN	22	22	24	24	27	25	26	26	23	21	20	19	19	19	19	19	18	19	20	21	23	23	23	22	21.8

PERCENTAGE OF DATA VALID - 59.0 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 40.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JUL 78												
MONTH	NO OF DAYS					AVERAGE CONCENT					24-HOUR MAXIMUM					MAXIMUM READING									
JAN	31					32.0					46					67									
FEB	28					28.9					40					69									
MAR	31					25.3					46					114									
APR	30					22.3					29					55									
MAY	31					25.9					44					102									
JUN	28					27.1					35					64									
JUL	18					21.8					29					55									
YEAR	197					26.4					46					114									

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS															UNITS - 0.1 PARTS/MILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	29	23	22	24	23	23	32	34	21	19	18	17	17	17	17	16	16	16	16	16	16	17	18	20	20
2	22	20	23	22	23	24	24	26	23	22	20	20	20	22	22	21	23	23	21	21	20	16	16	16	21
3	16	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	14	14	15	15	16	15	15	15
4	15	15	15	16	16	16	18	16	15	15	15	15	11	11	10	10	10	10	10	11	15	15	18	18	14
5	18	17	21	16	27	31	31	41	20	16	14	12	12	12	12	12	13	12	13	14	15	19	22	24	19
6	22	15	14	14	14	14	12	11	11	11	11	11	10	10	10	10	10	10	11	12	13	15	15	16	13
7	16	17	17	17	16	17	17	15	13	12	11	11	11	11	11	11	11	11	12	12	11	12	12	11	13
8	11	12	13	13	12	12	13	12	11	10	10	11	12	13	13	14	14	19	20	21	20	21	18	17	18
9	18	17	17	17	17	21	18	20	24	17	19	15	15	13	14	14	13	13	14	14	13	14	13	13	16
10	13	12	12	12	11	11	12	12	12	13	12	12	12	12	12	12	12	12	12	12	13	13	14	15	19
11	23	21	27	22	21	19	21	17	14	13	13	13	13	14	13	14	13	13	14	14	20	21	18	19	17
12	24	26	19	22	29	30	31	43	41	21	15	15	15	14	14	13	14	14	15	17	23	28	24	19	22
13	18	21	22	23	22	23	23	21	20	17	15	14	15	14	15	15	15	17	22	31	17	18	21	20	20
14	20	20	19	21	23	22	36	67	24	17	15	17	15	14	13	12	12	13	14	16	17	17	17	14	18
15	16	15	14	14	15	18	18	27	23	20	21	22	22	22	22	14	13	12	12	12	13	12	12	12	17
16	21	23	26	22	24	14	18	16	14	17	23	24	20	14	13	12	12	13	13	14	15	14	15	15	13
17	12	12	12	12	13	13	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
18	15	15	16	15	15	16	15	21	17	16	16	14	14	14	14	14	14	14	14	14	14	14	14	14	14
19	27	24	25	23	22	27	15	16	17	22	18	20	16	21	16	16	17	17	17	18	18	17	17	17	19
20	16	17	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	18	19	18	20	22	17
21	26	16	32	31	28	29	21	23	28	31	21	17	16	11	12	13	12	13	13	15	17	19	16	15	20
22	18	16	22	24	25	28	31	25	31	18	16	15	15	16	16	15	17	18	25	31	28	39	45	43	24
23	45	48	35	28	35	40	37	36	70	40	25	19	23	18	18	18	19	20	21	27	26	30	29	33	31
24	36	21	22	20	22	24	23	20	22	22	20	19	18	16	16	15	16	17	16	15	16	15	15	15	19
25	15	14	14	14	14	15	15	15	15	14	14	14	14	14	14	14	14	14	14	15	15	14	15	16	15
26	21	21	25	27	22	20	31	21	18	14	14	14	15	14	14	14	14	14	14	14	14	14	14	15	17
27	16	17	36	25	17	15	16	15	15	15	15	15	14	14	14	14	14	14	14	14	15	14	14	13	14
28	15	20	25	22	22	16	15	14	15	14	14	15	14	15	14	13	13	14	12	12	15	13	15	16	16
29	17	15	17	17	17	17	17	17	17	16	16	15	15	16	16	16	16	16	17	18	18	19	19	17	19
30	20	21	21	21	20	23	24	24	21	23	19	19	18	20	20	20	20	20	20	20	20	20	20	20	20
31	13	13	13	13	13	15	14	14	13	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
MEAN	20	19	20	19	20	20	21	22	20	18	16	16	15	15	15	14	15	15	16	17	17	17	18	19	17.6

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \* \* \* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

[illegible]

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \* - \* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.1 PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.1 PARTS/MILLION

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS															UNITS - 0.1 PARTS/MILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	17	17	16	17	20	21	24	24	22	27	26	26	29	22	17	18	17	16	15	15	15	15	15	20
2	14	13	13	13	13	13	14	15	14	14	14	14	14	15	15	15	15	16	16	15	16	17	17	17	15
3	15	15	14	14	14	14	14	15	15	15	15	16	16	16	18	18	16	15	16	18	18	24	20	15	16
4	15	14	15	15	14	14	13	13	13	12	13	13	13	13	12	12	12	13	14	14	14	14	14	14	14
5	16	16	17	16	17	18	18	17	17	16	16	16	16	16	16	16	16	16	16	15	15	15	14	14	16
6	14	13	13	12	13	13	13	14	13	13	13	13	13	14	14	13	14	13	13	13	14	20	27	47	19
7	18	19	15	13	12	10	10	10	10	10	9	9	9	10	10	10	9	9	9	9	9	9	9	9	11
8	10	10	9	9	9	9	9	10	10	10	9	9	9	9	10	10	10	10	10	10	10	11	10	10	10
9	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	11	11	11	10
10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	11	11	11	10
11	12	11	11	10	11	12	18	12	13	22	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID
12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
15	13	13	14	16	13	16	16	14	14	15	13	13	12	12	12	12	12	12	12	13	13	12	13	13	13
16	14	14	14	16	19	20	22	17	24	26	21	24	16	15	13	14	14	15	18	20	13	13	13	13	11
17	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	12	12	12	12	12	12	11
18	14	13	12	12	12	12	13	15	16	16	16	16	14	14	14	13	13	16	15	13	13	12	13	13	14
19	12	12	13	13	13	13	14	17	18	15	18	17	18	16	13	14	13	13	13	13	13	13	14	14	14
20	14	13	13	12	13	13	13	13	13	13	14	14	13	14	13	13	14	14	16	19	17	16	15	14	14
21	13	12	12	12	12	12	11	12	12	11	11	11	11	11	12	14	12	12	12	12	13	13	13	13	12
22	14	14	14	14	14	16	17	17	18	18	22	18	16	16	15	15	15	15	15	15	15	14	14	14	16
23	14	15	16	15	16	16	16	16	16	16	16	16	16	16	16	17	19	19	19	20	17	17	16	16	17
24	17	17	17	17	17	16	16	16	16	17	18	18	18	17	17	18	20	20	20	21	19	19	20	21	18
25	20	18	17	17	17	17	14	14	15	15	15	14	15	15	15	17	16	16	16	16	16	16	17	17	16
26	17	17	17	17	17	18	18	18	18	17	17	16	16	17	17	17	17	17	17	17	16	16	16	16	17
27	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16
28	16	17	16	16	15	15	17	17	18	19	20	18	18	18	16	15	16	17	21	18	17	17	16	16	17
29	16	16	15	15	15	15	15	15	15	15	15	15	15	14	14	13	13	13	13	14	14	14	14	14	14
30	13	14	14	14	15	15	15	16	16	17	17	17	26	31	29	22	17	21	31	27	35	32	20	21	21
31	20	17	19	21	18	18	15	15	16	16	15	15	15	15	16	17	18	19	20	18	20	21	18	18	18
MEAN	15	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	16	15	16	16	16	15	14.9

PERCENTAGE OF DATA VALID - 84.8      PERCENTAGE OF DATA INVALID - 15.2      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA														MONTH - DEC 78										
MONTH	NO OF DAYS					AVERAGE CONCENT					24-HOUR MAXIMUM					MAXIMUM READING								
JAN						DATA UNAVAILABLE																		
FEB						DATA UNAVAILABLE																		
MAR						DATA UNAVAILABLE																		
APR						DATA UNAVAILABLE																		
MAY						DATA UNAVAILABLE																		
JUN						DATA UNAVAILABLE																		
JUL	5					21.3					25					55								
AUG	31					17.6					31					70								
SEP	29					17.3					23					41								
OCT	29					18.3					31					43								
NOV	27					18.0					34					63								
DEC	25					14.9					21					47								
YEAR	146					17.4					34					70								

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141- 200	201&OVER	TOTAL
JAN		DATA UNAVAILABLE							
FEB		DATA UNAVAILABLE							
MAR		DATA UNAVAILABLE							
APR		DATA UNAVAILABLE							
MAY		DATA UNAVAILABLE							
JUN		DATA UNAVAILABLE							
JUL	0	72	54	12	0	0	0	0	138
AUG	13	522	164	31	2	0	0	0	732
SEP	0	577	103	18	0	0	0	0	698
OCT	0	536	155	27	0	0	0	0	718
NOV	0	492	149	37	2	0	0	0	680
DEC	76	505	45	5	0	0	0	0	631
YEAR	89	2704	670	130	4	0	0	0	3597

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	PERCENT 95	98	99	MAX	ARITH MEAN
81.5	9	12.2	14.0	15.4	17.5	23.4	28.0	34.5	39.5	70	17.4

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	23	23	22	23	24	22	22	23	23	23	22	24	22	21	21	20	20	19	18	19	20	21	20	22
2	20	20	19	19	19	19	20	20	21	22	21	21	20	19	20	21	20	21	20	19	19	19	20	22	21
3	20	20	20	20	20	20	20	21	23	****	****	21	20	19	20	22	22	24	22	22	21	21	22	23	21
4	22	21	21	20	20	22	38	30	26	22	21	20	21	22	23	23	24	25	26	26	25	26	27	27	
5	26	26	26	25	25	26	29	28	38	35	33	37	39	34	32	31	29	30	30	31	33	29	33	34	31
6	37	28	32	32	28	27	26	26	29	26	25	26	25	25	25	25	25	25	25	25	25	28	27	27	
7	25	25	24	24	24	23	23	23	24	24	25	25	26	26	26	25	28	28	26	25	25	25	26	25	25
8	25	27	26	25	25	23	25	27	25	23	25	27	26	24	23	23	21	19	18	17	17	17	16	16	23
9	16	16	16	16	17	17	17	17	18	19	18	18	17	17	18	18	19	19	18	17	18	18	17	17	17
10	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	18	18	17
11	19	19	20	20	20	20	21	22	22	22	21	23	23	23	23	21	23	24	23	22	21	21	21	22	22
12	21	21	21	21	21	23	23	23	28	26	24	24	24	25	25	24	26	26	27	28	28	27	27	29	25
13	26	25	24	23	23	23	23	23	24	24	23	23	24	24	****	26	26	26	26	26	25	25	27	26	25
14	24	25	24	23	23	22	21	22	22	22	22	21	22	22	22	21	21	21	21	20	20	21	21	21	22
15	21	23	24	22	21	21	21	22	24	21	20	20	21	21	22	22	23	24	24	22	22	23	24	23	22
16	22	22	22	24	24	24	24	26	28	26	25	24	25	22	****	24	25	27	24	24	25	28	39	47	26
17	43	47	50	34	34	29	25	25	25	25	24	26	26	26	29	30	32	32	34	33	34	33	34	30	32
18	27	25	23	23	22	21	21	22	23	23	23	23	22	22	22	22	22	24	24	24	24	26	27	29	24
19	28	28	26	28	27	27	30	43	38	29	29	26	25	28	26	28	28	29	27	27	31	29	32	31	29
20	31	31	31	34	34	34	34	34	34	34	34	34	34	30	****	30	27	24	22	22	23	23	22	21	29
21	21	21	21	20	20	19	19	19	19	19	20	20	21	23	22	22	23	24	23	29	29	26	30	27	22
22	26	26	26	25	24	23	23	23	24	24	24	25	25	26	29	30	29	28	27	27	24	22	22	23	25
23	25	25	24	23	23	23	23	26	28	24	****	24	22	23	23	24	24	30	28	27	24	24	27	30	25
24	26	25	25	24	24	25	35	41	36	29	25	27	30	27	27	26	25	25	23	24	25	24	24	23	27
25	24	24	23	23	23	23	24	26	27	26	27	25	28	31	29	28	30	29	31	31	30	29	29	29	27
26	29	36	49	54	35	33	28	18	18	17	17	17	17	17	18	18	18	19	19	19	19	18	18	24	
27	18	18	18	18	18	18	18	18	18	18	18	19	18	18	17	17	18	19	18	18	18	18	20	18	
28	18	19	19	18	18	18	18	18	18	18	19	19	18	18	18	18	18	19	19	18	18	19	19	18	18
29	19	19	18	19	19	19	19	19	19	19	18	19	18	18	18	18	18	19	19	19	19	19	19	19	19
30	17	17	17	17	17	17	17	18	19	19	18	-	18	18	18	18	21	27	20	21	21	21	23	29	19
31	21	21	21	22	21	21	22	22	26	27	23	22	22	22	21	20	21	21	18	20	22	21	21	20	22
MEAN	24	24	24	24	23	23	23	24	25	23	23	23	23	23	23	23	23	24	23	23	23	23	24	25	23.5

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION													
STATION - SW NO 15001														WESTERN FAIR GROUNDS KING/RECTORY, LONDON													
MONTH - FEB 78																											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	20	20	20	19	19	19	19	21	23	22	21	21	20	20	21	21	23	26	25	22	22	22	24	26	22		
2	22	22	22	21	21	22	23	27	29	28	26	24	23	23	22	21	22	23	22	24	21	22	21	20	23		
3	19	19	19	19	19	19	22	26	32	31	31	25	24	24	20	20	20	20	21	21	22	25	27	26	23		
4	21	25	22	22	24	28	29	51	50	27	23	22	22	22	23	22	33	33	28	32	29	27	27	24	28		
5	21	21	21	22	21	21	21	21	20	20	21	20	21	20	20	20	20	20	21	20	20	19	19	19	20		
6	19	19	19	19	19	19	19	20	20	19	18	19	19	19	19	18	19	19	19	19	20	20	18	18	19		
7	18	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
8	- DATA INVALID -																										
9	20	20	20	21	20	20	20	21	21	24	24	22	20	21	21	21	21	22	23	23	23	22	24	22	22		
10	22	22	22	21	20	20	20	21	21	22	23	21	20	21	21	19	22	24	23	26	27	25	25	27	22		
11	24	25	24	22	22	22	23	23	24	25	23	23	22	21	21	21	22	23	24	23	23	23	23	23	23		
12	23	23	22	21	20	20	21	21	22	22	21	20	21	21	22	22	22	22	22	22	23	23	22	22	22		
13	21	21	22	22	22	22	24	24	24	25	25	23	24	24	25	23	24	25	23	22	21	21	21	24	23		
14	20	19	19	19	19	20	21	26	23	22	22	21	20	20	20	20	20	21	21	22	22	24	29	31	46		
15	71	56	31	36	33	35	35	31	24	23	22	22	22	22	21	20	21	23	23	24	23	23	25	24	29		
16	26	23	23	22	22	23	23	24	26	23	22	22	22	22	21	22	22	22	22	23	22	21	23	24	23		
17	22	23	23	23	22	23	23	25	25	25	22	22	23	24	22	22	23	24	26	27	28	28	33	37	25		
18	25	26	23	24	24	24	24	25	25	24	24	24	25	25	24	24	31	24	24	25	24	24	24	26	25		
19	32	49	44	41	84	122	117	113	80	44	22	22	22	22	23	23	24	22	22	22	26	27	33	36	30		
20	29	27	26	26	25	26	25	25	24	26	25	25	25	26	26	22	22	22	22	23	27	25	25	26	25		
21	26	26	27	27	28	39	120	110	49	56	32	24	23	23	22	22	22	23	23	23	23	23	23	23	35		
22	22	22	22	22	22	22	22	22	22	21	20	20	20	19	20	20	21	22	23	23	24	24	27	26	22		
23	24	25	26	25	25	26	27	32	32	25	24	23	23	24	23	23	24	24	23	23	24	24	25	28	25		
24	27	26	25	24	24	24	25	26	28	28	25	24	24	24	24	22	23	24	22	22	22	25	27	30	25		
25	28	27	22	23	24	26	23	26	25	25	23	22	22	21	21	21	22	22	21	21	21	22	22	22	23		
26	22	22	21	21	21	21	21	21	21	20	20	20	21	20	20	20	21	21	21	21	21	22	23	23	21		
27	23	23	23	22	21	21	21	22	23	22	22	21	22	21	22	23	24	25	24	24	23	23	24	29	23		
28	33	34	40	45	32	26	28	35	38	24	22	22	24	23	22	23	23	23	24	26	25	24	35	25	29		
MEAN	25	25	24	24	25	27	31	32	29	26	23	22	22	22	22	21	23	23	23	24	23	24	25	26	24.7		

PERCENTAGE OF DATA VALID - 92.1 PERCENTAGE OF DATA INVALID - 7.7 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - SW NO 15001													WESTERN FAIR GROUNDS KING/RECTORY, LONDON												
MONTH - MAR 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	26	24	24	24	24	23	23	22	21	21	21	22	21	20	20	21	21	22	22	24	22	24	25	25	23
2	26	24	30	32	24	22	24	28	26	25	22	23	22	22	23	25	24	25	36	28	31	47	46	28	28
3	24	23	23	22	21	21	22	23	23	23	23	25	23	23	23	23	23	21	21	21	21	21	21	21	22
4	22	20	19	19	18	19	20	21	19	20	20	20	19	20	19	20	20	20	21	23	24	23	23	25	24
5	24	22	21	22	22	23	23	23	23	23	23	23	22	22	22	23	23	22	22	22	22	22	23	23	23
6	23	24	24	23	24	25	26	29	30	27	24	24	23	23	23	23	23	23	25	24	24	27	27	27	25
7	25	23	23	23	22	22	23	26	27	23	23	26	23	22	22	21	22	23	22	29	29	25	24	32	24
8	26	23	22	22	22	22	23	22	23	22	22	22	22	22	22	22	23	22	22	26	25	29	29	31	24
9	33	81	60	62	28	28	102	95	56	41	25	24	22	23	23	22	22	21	22	27	40	25	24	25	39
10	25	24	26	32	39	27	24	26	26	25	21	21	20	20	20	21	27	26	28	28	28	26	26	26	26
11	34	31	29	29	27	28	28	29	29	29	31	31	33	36	35	34	40	32	33	37	39	41	52	53	34
12	37	32	31	31	30	30	29	27	25	24	24	25	25	29	30	26	26	27	28	28	27	28	28	28	28
13	28	27	29	33	30	29	32	34	30	20	20	21	26	29	27	27	26	26	30	28	27	27	38	33	29
14	25	25	26	27	25	22	25	27	24	20	21	24	26	28	27	26	28	25	25	25	25	26	25	25	25
15	25	24	24	22	23	24	24	25	26	26	25	24	24	25	24	24	24	24	25	26	25	24	26	26	25
16	27	26	24	24	23	22	23	25	24	23	24	27	30	29	29	28	28	28	29	29	29	27	27	28	26
17	28	27	27	27	27	27	27	27	26	26	25	25	25	26	26	25	24	24	23	25	25	26	26	26	26
18	25	26	26	25	25	25	25	26	26	26	24	23	22	19	20	19	20	20	22	24	26	26	25	26	22
19	19	19	20	22	24	23	25	25	25	23	22	19	20	19	19	20	20	20	22	24	26	26	25	26	22
20	40	37	42	34	35	31	28	29	29	26	26	27	29	29	29	24	25	25	26	26	26	25	24	26	29
21	27	30	21	20	21	22	22	24	29	25	25	23	21	22	21	22	22	21	21	20	21	21	22	22	23
22	21	19	19	20	21	21	22	24	25	22	22	22	21	22	22	23	27	27	25	25	25	24	22	22	23
23	20	20	20	21	21	21	21	24	25	25	27	27	24	24	24	23	22	22	22	23	26	27	21	21	23
24	22	21	21	21	21	22	22	23	23	24	25	25	26	25	24	24	25	26	24	24	25	25	26	27	24
25	25	26	27	27	27	28	28	28	28	28	28	28	29	29	28	29	31	32	28	29	29	29	29	29	28
26	29	30	30	29	28	28	29	28	28	29	29	28	27	28	28	28	28	28	25	25	24	25	25	24	28
27	23	23	23	23	23	23	24	22	22	22	22	21	21	21	21	23	20	20	21	21	21	22	25	24	28
28	26	25	25	24	22	21	20	21	24	22	20	21	23	23	24	25	27	27	26	25	24	23	22	24	24
29	23	22	20	20	20	20	21	20	18	18	18	18	18	18	20	18	19	19	19	20	21	22	23	24	20
30	24	24	24	23	23	23	25	25	25	25	23	23	23	22	22	22	23	23	23	23	23	23	25	29	24
31	28	52	73	84	55	47	38	33	33	30	30	26	25	24	26	29	29	27	26	27	27	28	30	34	36
MEAN	26	28	28	28	26	25	27	28	26	25	24	24	24	24	24	24	25	24	25	25	26	26	27	27	25

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION												
STATION - SW NO 15001														WESTERN FAIR GROUNDS KING/RECTORY, LONDON												
MONTH - APR 78														MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	30	28	21	18	17	17	18	19	20	19	17	16	16	15	15	15	15	16	15	15	16	16	16	16	18	
2	18	19	19	20	21	21	20	20	21	22	22	24	25	25	25	24	23	23	22	25	26	24	27	27	23	
3	27	27	27	28	28	29	30	31	32	33	32	29	29	29	***	25	24	23	23	23	24	24	25	34	28	
4	23	23	23	23	23	24	23	27	28	28	29	33	25	23	22	23	26	29	21	19	18	16	16	17	23	
5	16	16	17	17	17	18	19	20	20	19	20	19	18	18	18	18	19	19	20	31	26	30	43	34	21	
6	26	24	23	27	28	27	26	27	27	26	29	30	29	***	***	30	30	29	27	26	23	23	24	24	27	
7	24	19	18	17	17	17	20	22	24	21	19	18	17	16	***	***	18	18	19	20	21	23	25	22	21	
8	19	18	18	18	18	18	19	19	19	19	19	20	20	21	21	20	20	21	21	23	25	22	21	20		
9	20	21	21	21	22	22	22	23	23	27	26	25	25	28	30	30	28	27	30	29	28	30	28	28	26	
10	29	28	28	28	28	27	28	28	29	29	29	29	30	28	29	30	28	29	30	31	28	29	30	39	29	
11	31	30	27	30	31	33	28	26	22	20	20	20	20	23	22	22	22	21	20	23	23	19	19	21	24	
12	21	21	19	19	20	21	21	23	23	22	23	24	22	22	19	20	21	22	22	22	21	23	24	26	22	
13	24	24	22	21	22	23	21	19	20	20	19	21	22	21	20	18	21	21	20	20	21	21	19	18	21	
14	20	21	21	18	19	19	19	20	19	***	***	***	16	16	18	18	18	18	18	18	20	22	20	20	19	
15	21	20	19	19	18	18	19	19	18	18	18	18	18	18	18	18	18	19	22	23	24	25	25	20		
16	26	25	26	24	24	23	21	20	20	19	19	18	20	20	22	22	20	21	22	23	27	48	25	24	23	
17	24	24	22	22	22	21	21	21	***	21	21	21	22	21	21	22	21	20	21	22	26	30	41	23	23	
18	27	27	24	25	26	27	30	31	33	33	32	35	32	31	30	30	30	30	31	29	29	29	29	28	30	
19	27	27	27	27	24	22	22	23	22	22	23	26	27	26	26	27	28	28	28	28	27	25	28	29	26	
20	26	25	25	23	22	20	19	20	21	20	20	19	19	18	17	18	18	18	18	18	18	18	18	18	20	
21	18	18	18	18	18	18	18	18	18	17	17	17	17	18	18	17	17	18	19	19	19	19	21	21	18	
22	22	22	22	22	23	23	22	21	21	21	20	20	19	19	19	18	19	19	20	20	23	27	28	28	22	
23	26	30	49	39	36	36	31	28	26	24	24	24	27	29	29	30	30	29	29	29	30	51	24	24	31	
24	29	25	27	26	24	24	25	27	26	25	24	23	25	21	21	20	20	20	21	22	23	23	24	26	24	
25	34	29	28	27	26	26	26	26	26	26	26	28	29	29	28	29	30	28	28	28	28	26	26	25	28	
26	25	24	27	24	22	22	23	24	25	26	28	28	27	27	26	***	20	21	24	25	26	24	22	24	25	
27	21	20	19	19	18	19	19	20	19	18	17	18	18	18	16	15	14	15	15	23	22	21	20	18	18	
28	18	18	18	18	18	19	19	17	17	16	18	18	18	17	16	16	17	16	17	17	29	26	24	22	19	
29	22	29	36	37	31	22	20	18	16	15	15	15	16	15	16	16	16	17	18	19	19	18	20	19	20	
30	19	19	19	18	19	18	18	18	17	17	17	17	17	18	18	18	17	16	17	17	17	17	17	18	18	
MEAN	24	23	24	23	23	22	22	22	22	22	22	22	22	22	21	22	22	22	22	22	23	23	25	24	24	22.7

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - TOTAL HYDROCARBONS												UNITS - 0.1 PARTS/MILLION													
	STATION - SW NO 15001						WESTERN FAIR GROUNDS KING/RECTORY, LONDON						MONTH - MAY 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	18	18	18	18	18	17	17	17	18	18	17	16	15	15	15	16	15	15	16	16	17	18	18	17	17	
2	17	17	17	17	17	18	18	18	17	16	17	15	16	16	16	15	15	15	16	17	18	18	18	17	17	
3	19	18	18	18	20	21	21	20	18	17	16	17	17	17	17	17	17	18	20	20	27	29	30	22	20	
4	22	23	24	23	23	23	23	23	24	25	25	24	24	25	28	26	27	28	27	26	26	26	26	24	25	
5	24	24	23	23	23	22	23	23	24	24	***	21	21	21	21	23	21	21	21	22	23	21	24	18	22	
6	20	18	18	18	18	18	19	19	19	18	18	18	19	18	18	19	18	18	19	19	18	24	34	26	20	
7	22	22	22	22	23	27	31	22	19	18	18	16	20	25	26	28	27	26	24	25	25	24	24	23	24	
8	25	24	26	27	27	25	24	24	23	22	22	24	25	22	21	21	21	21	22	21	21	24	23	18	23	
9	19	24	25	23	19	18	24	24	19	18	18	18	18	18	18	18	19	18	17	18	18	17	17	19	19	
10	17	16	16	15	16	16	17	17	16	16	16	16	16	***	***	21	20	19	20	27	42	48	46	41	22	
11	38	35	34	27	26	28	34	33	35	30	27	24	26	25	22	22	22	24	26	27	24	26	27	26	28	
12	25	24	25	25	26	26	27	26	23	26	36	24	23	24	24	22	22	24	25	26	25	33	***	***	26	
13													- DATA INVALID -													
14													- DATA INVALID -													
15	***	***	***	***	***	***	***	***	***	***	28	28	30	31	31	28	31	28	28	27	25	26	27	28	22	***
16	25	25	24	25	25	25	24	26	26	26	26	26	25	25	26	27	27	26	25	24	23	22	21	20	25	
17	20	20	20	20	20	20	21	21	22	22	21	21	23	***	25	26	25	26	26	26	27	27	31	29	23	
18	28	34	34	29	30	31	38	29	27	24	21	21	21	21	21	22	22	21	19	21	26	29	32	32	26	
19	41	49	38	43	52	72	46	35	24	21	21	21	21	18	18	19	19	18	20	24	31	39	28	23	31	
20	24	24	22	24	25	25	24	22	22	22	20	20	20	20	20	21	21	22	21	21	21	21	18	18	22	
21	17	18	18	18	18	19	19	19	20	18	19	19	21	20	20	18	18	18	19	20	21	22	23	24	19	
22	29	28	29	31	31	32	34	31	28	23	24	25	25	23	26	24	26	27	29	29	29	31	41	54	30	
23	65	39	35	38	38	38	31	26	27	27	25	29	28	25	23	24	25	26	28	29	34	35	36	34	32	
24	31	29	34	26	25	29	26	26	25	13	13	13	13	***	***	22	21	21	22	24	27	27	28	24	24	
25	27	29	39	37	40	41	32	***	***	***	***	***	***	16	16	19	20	20	22	23	28	32	42	48	30	
26	48	55	68	73	65	62	61	33	28	24	21	22	23	21	22	25	25	25	24	25	31	35	41	62	38	
27	55	42	38	35	42	40	34	31	31	23	25	24	25	24	26	29	26	25	26	24	33	60	56	38	34	
28	28	35	34	42	35	34	34	29	29	27	26	27	23	25	24	27	27	28	35	28	34	30	25	30	30	
29	32	28	28	27	30	26	32	29	28	25	27	26	29	27	29	30	30	26	29	30	31	32	30	28	29	
30	25	27	25	25	28	27	30	32	29	30	26	***	-	-	-	-	-	-	-	-	-	-	23	24	***	
31	29	31	30	22	26	24	24	***	***	19	17	17	17	18	17	17	17	17	17	17	18	19	19	18	20	
MEAN	28	28	28	28	28	29	28	25	24	22	22	21	22	21	22	22	22	22	23	24	26	29	29	28	25.0	



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - TOTAL HYDROCARBONS										UNITS - 0.1 PARTS/MILLION																					
	STATION - SW NO 15001					WESTERN FAIR GROUNDS KING/RECTORY, LONDON										MONTH - JUN 78																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN							
1	18	18	20	21	19	19	18	22	22	20	22	21	21	18	19	21	19	22	18	26	22	19	22	22	20							
2	20	19	19	18	20	22	20	18	17	17	18	16	17	16	17	-	-	-	-	-	-	-	-	-	20							
3												- DATA UNAVAILABLE -																				20
4												- DATA UNAVAILABLE -																				
5	-	-	-	-	-	-	-	-	-	-	-	20	20	19	19	20	19	20	21	22	23	29	33	28	*****							
6	38	30	31	32	38	39	39	23	23	23	24	23	23	22	24	22	22	21	23	26	28	26	27	27	27							
7	26	26	25	26	28	30	34	28	29	28	24	25	25	26	27	26	26	24	23	25	27	28	37	31	27							
8	28	25	23	23	26	21	21	20	21	19	19	19	18	18	19	19	19	20	19	19	19	20	19	19	21							
9	18	18	18	19	18	20	18	19	18	19	19	19	20	****	18	18	16	17	17	18	19	20	21	22	19							
10	28	28	23	20	27	23	22	23	22	23	21	21	21	20	20	20	21	18	18	20	24	26	28	30	23							
11	31	20	20	21	21	21	19	18	17	17	18	19	20	17	16	17	16	17	17	18	19	18	17	17	19							
12	18	17	18	17	19	21	21	21	****	21	24	22	22	23	23	22	20	19	18	18	18	17	18	17	20							
13	17	17	-	-	-	-	-	****	****	-	18	18	18	18	18	18	18	18	18	18	19	21	22	19	18							
14	19	18	19	18	20	20	19	18	18	18	18	18	19	18	19	18	19	18	19	20	21	24	29	43	41							
15	45	39	42	31	33	31	39	25	22	22	21	21	21	21	22	23	23	25	24	27	28	27	26	27	28							
16	24	26	30	32	27	27	24	24	26	28	26	25	26	28	26	27	27	26	26	26	26	27	27	27	27							
17	29	31	29	31	25	23	23	22	23	23	26	25	22	21	22	23	22	22	22	21	22	22	21	20	24							
18	20	19	18	18	18	19	18	19	18	18	18	19	19	19	19	19	18	19	19	19	20	20	20	21	19							
19	21	20	21	21	20	23	23	22	19	19	19	18	18	18	19	19	18	19	20	20	23	24	44	40	22							
20	47	45	38	40	44	40	38	31	26	23	21	21	22	22	23	22	21	21	22	22	27	28	26	27	29							
21	25	30	32	24	21	24	25	28	24	21	20	19	19	19	19	19	19	19	20	21	22	23	22	21	22							
22	21	21	21	23	24	24	21	21	19	19	19	19	19	19	19	19	19	19	19	20	22	23	22	21	21							
23	22	22	21	21	20	21	20	19	19	19	19	19	19	****	19	19	19	19	19	19	19	20	22	23	21							
24	23	23	25	28	27	26	23	23	21	21	21	21	20	21	21	21	21	20	19	20	20	22	26	29	24							
25	28	32	36	32	30	32	29	28	25	21	21	21	21	22	20	20	20	26	29	28	24	21	23	25	25							
26	24	24	24	24	28	27	27	26	25	23	22	19	18	18	22	21	21	19	25	23	23	25	36	31	24							
27	28	21	21	26	21	21	21	21	25	23	20	20	20	19	19	19	19	18	18	18	19	19	19	19	21							
28	19	19	19	19	19	19	19	19	18	17	17	17	18	18	18	18	18	18	18	18	18	28	24	21	19							
29	21	21	21	21	21	21	21	19	19	19	19	19	18	18	18	18	18	19	19	19	20	21	21	21	20							
30	21	21	21	21	21	21	24	22	22	23	22	19	19	19	19	19	19	19	19	19	19	19	19	19	20							
MEAN	25	24	24	24	24	24	24	22	22	21	21	20	20	20	20	20	20	20	20	21	23	23	25	24	22.2							

PERCENTAGE OF DATA VALID - 89.2

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 10.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION													
	STATION - SW NO 15001										WESTERN FAIR GROUNDS KING/RECTORY, LONDON																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	25	20	24	24	24	24	24	23	22	22	24	21	24	25	25	24	28	26	25	23	25	26	26	25	24			
2	23	35	24	23	22	22	22	22	22	22	24	33	22	22	22	22	22	22	22	21	21	21	21	21	23			
3	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21			
4	20	20	20	20	20	20	22	21	21	21	21	21	19	19	18	18	18	18	18	18	22	20	21	23	20			
5	25	31	29	29	29	34	28	23	20	18	18	18	19	19	19	19	20	22	21	21	23	23	25	24	24			
6	22	22	27	27	25	31	26	25	25	25	25	25	25	25	23	23	23	21	21	24	30	31	29	26	25			
7	27	35	31	36	32	28	29	29	27	26	26	26	25	25	25	25	18	18	17	19	21	26	26	25	26			
8	20	18	16	15	15	15	15	16	15	15	15	15	15	15	15	15	15	15	16	16	16	17	16	16	16			
9	17	16	16	16	16	16	15	15	14	15	15	16	18	18	19	16	16	16	16	16	17	16	16	16	16			
10	16	16	16	15	15	15	15	15	15	14	14	14	15	18	18	19	19	19	19	19	19	20	21	21	17			
11	21	20	20	21	21	20	19	19	19	19	21	21	21	19	19	19	18	18	19	19	19	21	22	22	25	20		
12	31	34	32	29	38	52	47	43	28	24	23	22	22	24	23	23	21	19	20	22	29	26	24	25	28			
13	26	26	28	34	37	32	30	25	21	20	21	20	20	22	22	21	21	21	21	21	21	22	22	23	22	24		
14	22	22	21	21	21	21	23	22	21	19	19	19	19	20	20	20	19	19	19	19	20	21	24	35	47	22		
15	78	83	46	34	37	47	37	21	20	19	19	19	19	19	18	18	18	18	18	18	19	20	21	21	20	19		
16	20	20	20	20	19	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	21	22	24	26	21		
17	21	21	21	21	21	22	22	20	19	20	19	19	19	20	21	19	19	19	19	19	19	20	21	22	24	26	21	
18	30	35	40	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46		
19																												
20																												
21																												
22																												
23																												
24																												
25																												
26																												
27																												
28	18	18	18	18	17	17	18	18	19	18	18	18	18	18	18	17	17	16	17	18	21	21	19	17	18			
29	24	21	17	21	20	19	21	20	18	16	16	16	17	17	17	16	16	16	17	17	18	17	17	17	18			
30	17	17	17	17	17	18	17	17	18	17	16	16	17	17	17	18	17	17	17	17	20	19	18	17	17			
31	19	19	18	18	19	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19			
MEAN	25	26	24	24	23	24	23	22	20	20	20	20	20	20	20	19	19	19	19	20	22	22	22	22	21.4			

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - TOTAL HYDROCARBONS															UNITS - 0.1 PARTS/MILLION																			
	STATION - SW NO 15001															WESTERN FAIR GROUNDS KING/RECTORY LONDON										MONTH - AUG 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	****	****	****	****	****	****	****	****	****	****	20	20	18	18	18	18	19	19	19	20	21	23	24	26	23	*****									
2	25	26	27	26	24	25	26	25	24	23	21	21	22	22	19	19	19	19	19	19	20	22	22	18	22										
3	19	18	18	18	17	18	19	19	19	18	18	17	17	18	17	17	17	17	18	18	18	19	19	20	18										
4	19	19	19	19	19	21	22	21	19	18	18	17	****	17	18	18	18	17	18	18	20	21	20	21	19										
5	32	37	30	23	22	23	24	25	23	22	19	19	19	18	19	20	19	17	18	18	18	21	23	30	22										
6	35	45	46	43	36	33	28	24	20	18	18	18	19	19	20	18	17	17	18	19	24	25	30	31	26										
7	31	30	27	26	25	23	24	20	21	20	20	19	18	19	19	19	19	19	21	20	19	19	19	20	22										
8	25	23	23	31	19	18	19	21	21	20	19	19	20	19	19	19	18	18	18	18	17	17	17	20	22										
9	18	18	18	18	18	18	19	22	21	20	19	19	20	19	21	20	19	17	17	18	19	18	17	17	19										
10	18	18	18	18	18	18	19	19	18	17	17	17	17	17	17	17	18	18	18	18	19	19	20	21	18										
11	34	45	29	35	36	36	37	29	20	20	-	17	17	17	17	17	17	17	17	18	20	22	21	22	24										
12	28	27	28	41	36	24	24	25	21	20	19	18	19	19	18	18	18	18	18	18	19	26	27	23	23										
13	32	38	35	33	34	36	34	32	19	18	18	17	18	18	18	17	17	17	18	19	20	20	23	28	24										
14	37	36	39	42	44	45	40	42	31	25	20	18	19	19	19	21	21	21	21	23	22	25	24	21	28										
15	20	21	20	21	27	25	23	24	25	23	22	22	22	20	20	20	21	21	22	24	24	22	25	26	23										
16	18	18	18	18	18	18	19	19	19	19	18	18	17	17	17	17	18	17	17	17	17	18	18	17	18										
17	17	17	17	17	18	18	18	18	19	18	17	17	17	17	17	17	18	17	17	18	19	23	35	39	19										
18	30	24	21	21	21	21	22	21	20	21	22	23	23	***	21	22	20	19	19	23	23	23	22	24	22										
19	20	21	21	18	17	17	16	16	21	20	17	16	18	16	16	16	16	16	16	16	17	17	17	17	17										
20	18	17	17	18	17	18	19	18	17	17	17	17	18	17	17	17	17	17	16	17	18	18	19	19	18										
21	18	19	19	20	27	27	27	29	26	21	19	18	19	19	19	18	19	19	19	19	19	22	37	33	22										
22	28	28	35	36	29	29	31	28	27	22	19	19	19	18	18	17	18	17	18	18	19	21	22	25	23										
23	32	32	38	47	48	53	64	52	30	22	20	19	19	19	19	19	19	19	20	22	22	21	21	19	29										
24	19	18	18	18	19	20	21	21	20	19	19	19	21	20	19	18	17	17	18	18	19	19	19	19	19										
25	17	17	17	17	17	18	19	22	22	19	17	16	17	16	-	17	17	17	17	17	17	18	18	18	18										
26	19	19	20	20	20	22	23	21	21	19	18	17	17	17	17	17	19	17	19	19	19	22	24	25	20										
27	21	20	20	21	20	19	19	19	18	18	19	19	20	20	19	19	19	19	19	19	19	19	19	20	19										
28	20	21	22	23	16	16	17	18	18	18	18	17	17	17	17	17	17	16	16	16	16	16	16	16	18										
29	17	17	18	18	17	17	18	19	20	20	18	17	16	16	16	16	16	16	17	18	22	25	30	35	19										
30	29	31	35	50	41	37	47	50	39	23	20	18	17	17	17	18	18	18	21	22	30	41	32	27	29										
31	29	25	21	28	25	23	26	24	21	19	18	18	18	18	17	17	17	17	17	19	19	19	19	20	21										
MEAN	24	25	24	26	25	25	25	25	22	20	19	18	18	18	18	18	18	18	18	18	19	20	21	23	23	21.3									

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.6 PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS															UNITS - 0.1 PARTS/MILLION																			
STATION - SW NO 15001															WESTERN FAIR GROUNDS KING/RECTORY, LONDON										MONTH - SEP 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	21	21	20	20	21	21	21	21	20	****	19	19	19	19	19	19	19	19	19	19	21	22	28	34	21									
2	60	52	49	63	68	61	41	31	26	20	19	19	19	19	20	21	21	19	19	19	19	19	19	19	31									
3	19	19	20	20	22	35	19	20	19	19	19	19	17	17	17	17	17	17	17	18	18	18	18	19										
4	18	18	18	18	19	19	20	20	19	18	18	18	18	18	18	17	17	17	17	18	22	23	23	19	18									
5	19	19	19	21	26	26	25	24	23	20	19	19	19	19	19	20	23	22	23	24	24	22	21	21	22									
6	22	20	22	22	22	26	26	28	25	23	24	23	23	22	22	22	21	20	20	21	21	20	20	19	22									
7	18	19	19	19	19	20	21	21	21	21	21	21	20	21	22	21	23	23	25	24	24	21	21	21	21									
8	20	19	19	19	20	20	21	22	22	22	23	23	21	***	21	21	21	22	22	21	22	23	21	20	21									
9	18	18	17	17	17	17	19	19	19	19	19	18	19	18	19	20	20	21	23	24	22	22	20	20	19									
10	19	19	19	19	19	21	20	20	22	21	22	21	21	21	22	22	22	23	25	25	26	25	27	29	22									
11	24	21	19	19	18	18	21	22	23	20	20	21	21	***	22	24	24	24	31	45	36	22	21	24	23									
12	22	20	19	19	21	20	20	20	20	20	20	21	20	20	20	21	21	21	21	20	21	22	23	21	21									
13	21	20	21	21	20	19	20	20	19	15	16	16	17	17	17	17	16	16	16	17	17	16	16	16	18									
14	17	17	17	18	18	18	19	21	20	20	19	19	19	19	18	19	19	18	17	19	21	21	23	22	19									
15	23	23	25	25	25	24	24	25	24	***	23	23	22	22	22	23	23	23	25	25	27	28	29	26	24									
16	23	23	23	23	21	21	21	21	21	24	23	24	24	25	26	25	27	27	29	29	28	28	27	27	25									
17	21	20	22	22	22	22	21	21	20	20	22	23	23	23	22	22	23	20	20	20	21	22	23	22	22									
18	23	20	20	20	20	20	20	21	22	22	21	21	24	***	25	24	23	23	23	23	27	26	26	21	22									
19	21	19	21	22	22	21	21	23	24	23	22	25	25	25	25	25	25	24	23	24	24	22	23	23	23									
20	23	22	22	22	24	24	24	25	****	****	****	****	****	****	35	33	32	30	29	30	30	30	32	38	41	29								
21	36	32	30	30	30	30	32	30	29	29	29	29	28	28	28	28	29	28	28	28	28	28	28	28	29									
22	28	28	29	29	29	30	31	31	30	***	21	21	21	22	22	23	23	22	25	24	32	26	24	24	26									
23	23	24	24	24	24	24	28	28	27	26	24	24	24	24	24	24	25	26	34	32	29	33	35	33	27									
24	34	37	35	37	36	30	32	36	38	23	22	21	21	20	20	20	21	21	22	24	24	23	22	21	27									
25	20	20	20	20	20	21	21	21	20	20	22	20	20	20	20	20	20	21	21	22	22	24	25	28	21									
26	27	26	30	29	30	29	36	35	26	25	23	22	21	22	22	22	21	22	24	28	31	30	28	26	26									
27	28	25	23	23	24	24	24	21	21	21	20	21	20	21	21	21	19	19	19	19	19	19	19	19	21									
28	19	20	20	21	21	21	23	23	22	21	21	21	19	19	19	20	20	20	22	22	23	24	30	36	22									
29	44	43	35	27	29	42	31	31	29	22	23	25	***	24	25	25	26	25	24	24	29	32	24	25	29									
30	26	24	25	29	31	32	35	37	36	28	26	25	27	27	26	28	23	23	24	24	23	22	23	23	27									
MEAN	24	24	23	24	25	25	25	25	24	28	22	21	21	21	22	22	22	22	23	24	24	24	24	24	23.2									



POLLUTANT - TOTAL HYDROCARBONS															UNITS - 0.1 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	22	21	21	21	21	22	23	27	25	21	21	21	****	29	32	36	35	34	34	34	32	30	28	27
2	29	28	28	29	30	29	29	31	32	31	30	29	30	29	29	29	30	30	33	35	35	37	35	32	31
3	33	36	32	33	32	34	34	36	35	36	36	38	40	49	48	49	57	47	44	41	33	29	28	29	38
4	26	26	27	29	29	31	32	32	32	30	31	31	31	***	26	27	28	26	25	23	23	24	26	25	28
5	22	23	23	24	24	24	24	26	25	23	24	25	24	24	23	26	30	30	30	29	30	28	30	33	26
6	31	31	34	34	34	33	36	38	42	32	36	34	33	33	34	34	35	36	34	32	33	32	31	31	34
7	27	27	28	27	26	25	25	25	25	25	25	27	27	***	31	30	29	29	27	25	27	30	33	38	31
8	23	23	23	23	23	23	22	22	22	23	23	22	22	20	22	23	25	23	24	24	23	24	25	25	23
10	25	26	25	25	26	26	25	25	24	24	25	24	24	25	24	25	26	25	25	25	26	26	26	26	25
11	26	26	26	26	26	26	25	27	27	27	****	24	23	22	24	26	26	24	24	25	24	24	25	25	25
12	25	25	25	24	25	24	25	27	27	25	24	23	24	23	22	23	26	24	27	28	24	22	22	21	24
13	21	21	22	21	22	22	24	25	26	28	27	24	23	24	25	22	24	25	23	20	19	20	18	18	23
14	19	20	20	21	22	23	24	26	27	25	25	40	****	****	22	20	22	****	18	19	20	21	21	20	23
15	21	20	19	20	19	18	20	19	22	****	21	19	19	****	****	****	31	31	32	33	37	35	34	35	25
16	34	36	34	35	37	36	34	36	37	34	34	32	30	31	33	33	48	50	39	28	27	26	31	34	35
17	30	26	23	24	23	24	25	25	25	25	25	25	26	25	25	28	29	30	32	33	32	30	30	30	27
18	30	30	31	32	30	32	34	36	37	35	32	30	30	25	26	27	30	29	31	32	30	31	30	29	31
19	30	30	27	30	30	29	27	29	33	****	****	23	23	24	24	26	25	****	25	24	27	****	****	****	27
20	27	31	28	27	26	22	23	27	27	****	27	28	****	****	27	27	26	23	24	27	31	29	23	23	26
21	23	23	22	22	22	22	21	21	20	20	19	18	18	****	19	20	23	24	27	25	25	24	25	26	22
22	26	25	26	24	23	24	24	22	21	****	21	21	22	21	22	21	22	24	25	26	24	23	22	23	23
23	24	25	24	25	23	24	24	25	26	26	25	24	24	25	25	25	30	28	30	32	33	38	35	33	27
24	28	30	27	25	25	25	28	27	28	25	26	26	26	23	22	24	25	24	27	26	31	29	25	23	26
25	28	29	27	24	23	24	21	19	20	19	20	21	21	22	23	22	23	23	23	24	23	24	24	23	23
26	24	25	24	24	25	24	25	25	26	25	25	25	25	25	25	26	26	26	****	****	****	25	26	25	25
27	****	24	26	25	25	****	****	27	26	27	27	****	25	25	25	****	****	26	27	27	26	****	27	27	26
28	27	27	26	26	25	26	26	27	28	****	****	22	21	22	22	24	24	-	-	32	28	-	28	-	26
29	29	27	-	26	26	25	25	25	-	-	27	26	27	26	-	26	25	25	25	25	26	27	29	26	26
30	-	29	26	28	28	27	26	26	27	27	26	28	29	29	33	36	38	31	31	29	31	31	36	38	30
31	44	35	31	31	36	34	34	34	33	32	32	33	35	33	34	37	39	37	33	29	34	32	25	21	33
MEAN	27	27	26	26	26	26	27	27	28	27	27	27	26	26	27	27	30	29	28	28	28	28	27	28	27.2

PERCENTAGE OF DATA VALID - 94.1

PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	23.5	32	54
FEB	28	24.7	45	122
MAR	31	25.6	39	102
APR	30	22.7	31	51
MAY	27	25.0	38	73
JUN	26	22.2	29	47
JUL	20	21.4	29	83
AUG	30	21.3	29	64
SEP	30	23.2	31	68
OCT	19	25.3	34	70
NOV	27	29.4	64	153
DEC	31	27.2	38	57
YEAR	328	24.3	64	153

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141- 200	201&OVER	TOTAL
JAN	0	178	500	59	0	0	0	0	737
FEB	0	50	519	42	3	5	0	0	619
MAR	0	27	649	54	4	2	0	0	736
APR	0	230	445	35	0	0	0	0	710
MAY	0	166	392	94	8	0	0	0	660
JUN	0	233	369	40	0	0	0	0	642
JUL	0	210	254	30	2	0	0	0	496
AUG	0	426	242	61	1	0	0	0	730
SEP	0	146	508	51	3	0	0	0	708
OCT	0	30	373	58	2	0	0	0	463
NOV	0	12	514	111	18	5	1	0	661
DEC	0	18	516	166	0	0	0	0	700
YEAR	0	1726	5281	801	41	12	1	0	7862

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	FREQUENCY DISTRIBUTION, 50	70	90	PERCENT 95	98	99	MAX	ARITH MEAN
89.7	13	17.5	20.1	22.4	25.1	30.5	34.9	43.8	53.1	153	24.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 31001

67 COLLEGE ST FIFTH FLOOR

TORONTO

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	10	10	10	10	9	9	9	9	9	9	8	9	9	9	8	8	8	8	8	8	7	7	8	9
2	7	7	7	7	7	8	8	8	9	9	9	8	8	8	8	9	10	11	11	11	12	11	11	11	10
3	8	8	8	8	8	9	10	11	11	10	10	10	9	9	9	8	8	9	9	9	8	8	8	8	8
4	10	10	10	10	10	10	11	12	12	12	12	12	11	13	13	13	14	13	13	12	12	12	11	12	12
5	11	10	10	10	10	11	11	12	14	12	13	12	11	11	12	12	13	13	12	12	11	11	11	10	10
6	11	11	11	11	11	12	12	11	11	11	12	12	13	14	13	13	12	13	12	12	12	12	13	14	12
7	12	12	12	11	10	10	11	11	11	12	13	13	10	10	10	10	11	13	14	12	11	10	9	9	11
8	8	8	7	7	8	8	8	8	9	8	8	8	8	8	9	9	10	10	9	9	9	9	9	9	10
9	9	9	9	9	9	9	9	10	11	11	10	10	10	10	10	10	10	11	11	11	11	11	11	11	9
10	9	9	9	9	9	9	9	10	11	11	10	10	10	10	10	10	10	10	11	11	11	11	11	11	10
11	11	12	12	12	12	11	11	12	12	13	14	14	13	13	13	12	12	13	14	14	14	14	14	14	13
12	14	12	12	12	12	12	12	13	16	18	17	16	12	13	14	18	17	17	15	15	14	19	16	15	15
13	17	18	18	16	15	13	13	13	14	16	17	19	19	18	19	19	19	18	16	15	15	14	14	14	16
14	13	13	14	14	14	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28	8	8	8	8	8	8	8	9	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9
29	10	9	10	10	10	10	10	10	9	9	10	10	10	10	10	10	9	9	9	9	9	9	9	10	10
30	10	11	10	10	9	9	10	11	12	13	11	10	11	11	11	11	12	12	13	10	10	10	10	10	11
31	10	10	10	10	10	11	11	12	11	11	11	12	11	11	11	11	10	11	10	9	8	8	8	8	10
MEAN	11	10	10	10	10	10	10	11	11	12	11	11	11	11	11	11	11	12	11	11	11	11	10	11	10.9

PERCENTAGE OF DATA VALID - 54.3

PERCENTAGE OF DATA INVALID - 34.9

PERCENTAGE OF DATA UNAVAILABLE - 10.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	8	8	8	8	8	9	11	11	11	****	****	9	9	9	10	11	11	11	11	12	11	11	12	10
2	10	11	11	11	11	11	11	13	16	18	14	14	14	15	14	14	14	14	12	12	12	12	12	12	13
3	12	11	11	11	11	11	13	14	13	12	11	11	11	10	10	10	11	10	10	11	11	12	11	11	11
4	12	11	10	10	11	11	11	11	12	12	12	11	12	12	14	14	13	12	12	12	14	13	13	15	12
5	14	13	14	13	14	11	9	9	9	9	9	10	10	9	9	9	10	10	10	10	10	10	10	9	10
6	10	10	10	10	10	10	12	13	13	13	12	***	11	13	16	15	16	15	14	14	12	12	11	12	11
7	11	11	10	9	9	9	10	10	11	12	11	11	10	9	9	9	10	9	11	9	8	8	8	10	10
8	6	6	5	5	5	5	5	8	11	****	22	21	21	21	****	22	22	22	21	20	20	20	18	18	15
9	17	17	16	15	15	15	15	16	17	16	16	15	13	****	****	12	13	12	13	12	12	11	12	13	14
10	13	15	14	13	12	11	11	16	15	18	17	18	20	18	15	14	13	12	12	11	11	11	11	12	14
11	12	14	12	12	12	13	12	13	13	13	12	12	11	10	10	11	11	10	10	10	11	11	11	11	12
12	10	10	10	10	9	9	10	10	9	9	10	10	11	10	10	10	10	10	11	11	11	11	11	11	10
13	13	16	12	11	11	11	11	12	13	13	12	****	12	12	12	14	13	9	10	10	9	9	9	9	11
14	10	9	9	9	8	8	9	11	14	13	13	10	9	9	9	9	8	8	9	10	11	11	12	13	10
15	10	10	12	11	11	13	15	14	13	15	13	11	11	12	12	12	12	12	12	15	14	14	12	12	13
16	11	11	11	11	11	11	13	15	15	15	16	15	14	***	14	13	13	12	12	12	11	11	12	12	13
17	11	11	10	10	10	9	10	12	11	11	11	11	11	11	11	11	12	12	12	12	11	13	13	14	11
18	13	13	13	14	13	13	13	14	13	12	11	11	10	10	10	10	10	11	11	12	11	10	10	11	12
19	11	11	11	12	12	12	12	12	12	12	11	10	9	9	9	9	9	9	10	10	10	11	11	12	11
20	11	11	11	11	12	11	11	14	14	17	17	16	13	****	11	11	12	12	12	12	9	9	11	11	12
21	12	10	9	9	10	10	11	12	14	13	12	12	11	11	11	12	10	10	10	10	9	9	9	9	11
22	9	9	8	8	8	8	9	11	11	11	9	9	8	9	****	11	11	11	10	11	11	11	11	12	10
23	11	11	12	11	11	12	12	14	16	13	13	14	12	10	13	13	12	10	10	10	10	10	10	10	12
24	11	11	11	11	11	10	10	11	11	12	10	10	9	9	9	10	13	13	13	13	12	11	11	11	11
25	12	11	10	9	9	10	11	12	11	10	10	10	11	11	11	11	10	10	11	11	10	11	11	12	11
26	12	11	11	10	10	10	11	11	10	10	10	10	10	10	10	11	11	11	11	11	11	11	12	12	11
27	13	13	12	12	12	13	13	14	15	14	13	11	10	10	9	10	10	10	9	9	9	10	9	9	11
28	9	10	10	11	11	11	12	15	19	14	14	12	12	12	13	12	12	10	10	11	12	13	12	11	12
MEAN	11	11	11	11	11	11	11	12	13	13	13	12	12	11	11	12	12	11	11	11	11	11	11	12	11.5

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	15	14	12	11	10	11	16	15	15	12	12	13	13	12	11	11	11	11	11	12	11	11	12	12
2	11	11	12	12	11	11	11	12	***	***	***	***	7	***	10	9	10	9	9	9	10	10	9	10	10
3	9	10	10	12	13	9	8	7	9	8	7	7	7	8	9	7	7	7	7	6	6	5	5	5	8
4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	7	5
5	7	7	7	7	8	8	8	8	8	7	6	6	5	5	6	5	5	5	5	5	6	6	8	8	7
6	8	8	9	8	8	8	11	13	13	14	16	17	15	14	13	10	10	9	8	8	8	8	8	8	11
7	8	8	8	8	8	8	8	9	11	12	11	9	10	10	10	9	9	9	9	9	9	10	10	10	9
8	10	10	9	10	10	10	11	14	17	16	12	13	11	11	11	9	11	11	10	11	13	14	15	22	12
9	23	27	22	17	14	13	14	16	18	18	14	12	11	-	-	-	-	-	-	-	-	-	-	-	*****
10	- DATA UNAVAILABLE -																								
11	- DATA UNAVAILABLE -																								
12	- DATA UNAVAILABLE -																								
13	- DATA UNAVAILABLE -																								
14	- DATA UNAVAILABLE -																								
15	- DATA UNAVAILABLE -																								
16	- DATA UNAVAILABLE -																								
17	- DATA UNAVAILABLE -																								
18	- DATA UNAVAILABLE -																								
19	- DATA UNAVAILABLE -																								
20	- DATA UNAVAILABLE -																								
21	- DATA UNAVAILABLE -																								
22	-	-	-	-	-	-	-	-	-	-	***	15	19	21	14	22	17	17	23	15	11	12	11	*****	
23	10	10	9	10	10	10	12	13	11	11	10	11	***	13	13	13	13	14	14	17	17	17	13	13	12
24	14	14	14	14	14	15	16	16	16	19	19	19	19	19	20	21	20	20	18	21	21	19	19	18	
25	21	21	19	20	21	20	20	19	18	33	26	21	19	17	17	17	17	16	17	16	16	15	14	19	18
26	15	13	13	13	13	13	13	13	13	13	13	13	13	14	13	13	13	13	13	13	12	12	12	12	13
27	13	12	12	12	12	13	13	14	15	14	14	14	14	13	13	13	13	13	12	14	13	14	13	12	13
28	13	12	12	12	13	13	14	16	15	15	15	***	***	***	***	***	***	***	***	***	***	***	***	***	***
29	- DATA INVALID -																								
30	***	***	***	***	***	***	***	***	***	***	35	26	19	19	***	***	13	12	12	13	17	17	14	13	*****
31	13	13	16	15	14	14	16	19	17	19	16	14	15	16	17	18	20	15	14	13	12	11	10	10	15
MEAN	12	12	12	12	12	11	12	13	13	15	14	13	12	13	13	12	12	12	11	12	12	11	12	12	12

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	10	11	13	16	19	15	10	12	9	10	10	8	10	10	9	9	10	9	9	9	9	10	10	11
2	11	11	11	12	12	12	13	14	13	15	15	14	15	15	15	15	16	16	16	16	17	17	18	18	19
3	19	17	15	15	15	15	15	16	16	16	16	14	15	15	16	16	16	15	14	14	14	15	15	16	16
4	15	15	14	14	16	16	15	18	16	18	16	14	15	19	24	21	25	18	18	21	18	21	14	11	17
5	11	11	11	11	11	12	12	13	13	14	13	13	13	13	13	13	13	13	13	13	15	16	16	18	13
6	18	17	18	24	*****	*****	*****	*****	*****	*****	*****	*****	20	*****	*****	19	18	17	16	16	16	15	15	*****	15
7	16	16	16	16	18	16	16	16	15	16	16	16	16	16	15	15	15	14	14	14	14	15	15	15	15
8	14	14	14	13	13	13	14	14	14	14	14	14	14	13	14	14	14	14	14	14	14	14	14	14	14
9	15	14	14	14	14	14	13	14	13	13	13	14	15	15	15	15	15	15	17	18	19	17	15	16	15
10	22	19	17	19	15	15	14	14	15	15	15	15	14	14	13	14	14	14	14	13	13	13	14	13	15
11	14	14	14	15	14	15	15	21	23	21	*****	*****	29	18	16	16	15	16	18	19	15	16	15	14	17
12	14	14	14	14	14	14	15	18	16	18	18	20	19	18	16	17	23	24	23	17	17	17	16	17	17
13	28	32	19	18	19	17	19	15	14	14	14	13	13	*****	*****	15	15	15	15	15	15	14	15	15	17
14	15	15	15	14	14	15	15	15	15	15	15	16	15	15	16	15	16	15	16	16	16	16	16	16	15
15	16	17	17	16	16	16	16	15	15	15	15	15	16	16	15	15	15	16	16	16	16	17	17	16	16
16	17	17	17	17	17	17	17	17	17	17	17	16	17	17	17	17	16	17	17	16	17	16	17	16	17
17	17	16	16	16	16	17	17	18	18	22	20	17	18	*****	14	14	15	16	13	16	17	14	15	17	16
18	21	17	17	16	17	16	15	15	14	14	14	15	14	14	13	13	13	13	12	12	12	12	13	15	15
19	13	12	12	11	11	11	12	13	14	14	13	14	14	14	13	14	14	13	12	13	12	13	12	13	13
20	13	14	14	12	13	13	13	15	15	15	15	15	17	15	*****	17	16	15	15	14	14	14	15	15	15
21	14	14	14	14	14	14	15	15	16	16	16	16	15	15	16	16	17	16	16	17	17	17	18	18	16
22	17	18	17	17	18	17	18	18	18	18	18	18	18	17	17	17	17	18	17	18	18	19	19	20	18
23	19	20	19	18	19	23	21	19	19	21	19	18	17	17	17	16	16	17	17	20	19	20	23	20	19
24	21	22	32	23	18	18	19	22	18	21	20	*****	19	20	20	19	21	16	17	17	18	19	18	20	19
25	18	18	17	17	18	17	19	20	19	18	18	19	19	18	19	18	18	19	19	21	21	19	22	23	18
26	19	20	21	20	21	21	21	20	18	19	19	20	19	23	21	22	19	19	21	23	21	18	19	20	19
27	17	16	17	16	16	16	17	19	20	19	17	17	17	17	*****	*****	17	17	16	15	16	15	16	17	16
28	17	16	15	15	15	15	15	16	16	17	16	16	15	15	16	15	15	16	14	15	16	17	16	16	16
29	16	16	17	16	14	15	16	16	15	16	13	12	13	12	13	13	12	13	13	13	13	13	14	14	14
30	13	14	13	14	13	13	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	13	13
MEAN	16	16	16	16	15	16	16	16	16	16	16	15	16	16	16	15	16	16	16	16	16	16	16	16	15.8

PERCENTAGE OF DATA VALID - 97.1

PERCENTAGE OF DATA INVALID - 2.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	12	12	12	12	12	13	13	13	13	13	13	13	***	13	14	14	13	14	13	13	13	14	14	14	15	13
2	14	13	14	13	13	13	14	13	13	13	13	13	12	12	12	12	12	12	12	12	12	12	12	11	13	
3	11	11	12	12	12	13	13	14	15	15	13	14	14	13	12	12	12	12	11	12	12	13	13	12	13	
4	13	13	12	12	13	12	12	12	11	11	11	11	12	***	11	11	9	9	9	9	9	9	8	8	11	
5	8	7	6	7	7	8	9	10	9	10	10	10	***	10	11	11	9	9	9	9	9	9	8	8	11	
6	DATA UNAVAILABLE -																									
7	DATA UNAVAILABLE -																									
8	-	-	-	-	-	-	-	-	***	17	17	17	19	19	21	24	20	21	18	17	19	17	16	18	***	
9	16	12	18	21	19	15	16	17	17	17	13	13	12	11	11	11	11	11	11	12	13	14	14	11	14	
10	10	10	11	11	12	12	12	13	13	13	13	12	13	13	13	14	13	13	13	13	14	15	18	19	13	
11	19	18	18	21	22	37	30	22	21	21	24	21	20	21	20	19	21	17	17	18	21	21	30	28	22	
12	24	24	18	16	16	15	17	23	26	27	24	20	21	26	28	22	15	13	14	14	15	17	16	15	19	
13	15	15	14	15	14	13	13	13	13	14	13	14	14	17	14	13	14	17	13	16	15	14	13	13	14	
14	12	12	10	11	11	11	12	11	12	12	13	11	12	11	11	11	11	12	12	12	12	12	12	12	12	
15	11	11	11	11	12	12	12	12	12	11	11	11	**	11	14	14	15	15	16	15	14	14	14	14	13	
16	14	13	13	13	13	14	15	15	15	15	14	15	15	15	15	15	15	14	16	17	19	18	14	14	15	
17	14	14	13	13	13	14	16	16	16	17	19	15	14	15	15	15	15	15	16	16	17	17	18	18	16	
18	18	16	18	17	23	27	29	35	42	31	31	24	***	21	19	17	17	16	16	17	24	31	34	23	24	
19	22	42	28	35	30	33	27	34	29	22	21	17	17	16	17	20	22	13	14	17	22	30	34	26	25	
20	26	22	22	17	16	18	23	22	20	18	17	15	14	14	14	14	12	13	15	13	13	12	14	16	17	
21	16	17	11	11	11	11	11	12	12	13	12	13	11	14	14	13	12	13	13	14	13	14	15	16	13	
22	15	15	16	16	16	18	20	22	18	16	15	15	14	15	14	14	14	14	14	15	16	17	22	23	16	
23	18	17	26	32	36	22	24	20	16	***	15	15	16	17	17	19	20	21	23	24	17	15	19	18	20	
24	26	29	23	31	38	43	27	34	29	19	16	17	20	18	16	18	16	20	19	22	29	28	17	17	24	
25	15	15	17	20	22	18	19	18	18	15	15	14	**	15	18	22	17	18	18	18	21	21	22	22	18	
26	22	25	23	30	29	26	25	27	23	21	31	27	26	24	23	22	19	21	23	23	24	28	33	34	25	
27	31	28	42	56	46	62	52	48	34	30	33	30	27	30	35	26	31	24	23	23	24	28	33	34	25	
28	29	28	34	36	28	31	40	25	50	19	17	15	15	17	19	18	22	24	18	21	20	20	24	19	25	
29	18	17	20	40	31																					
30	18	18	20	20	21	29	27	31	40	30	23	20	22	24	21	16	15	12	13	16	14	16	22	21	22	
31	22	20	25	34	18	21	23	19	14	14	12	12	14	10	9	9	9	9	10	10	10	10	10	11	15	
MEAN	17	18	18	21	20	21	21	21	21	18	17	16	16	17	16	16	16	15	15	16	17	18	19	20	17.9	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	11	11	11	11	11	12	13	14	14	16	14	****	19	21	20	16	16	15	14	15	13	16	18	14
2	22	22	22	22	17	21	25	42	27	27	24	18	13	12	12	12	12	12	12	12	13	14	14	14	19
3	13	13	12	12	12	12	12	13	13	12	12	11	12	13	12	12	11	12	12	12	12	13	13	14	12
4	14	14	16	16	16	16	20	18	14	13	13	13	13	14	14	16	16	18	14	13	17	18	17	21	16
5	19	16	16	14	12	12	13	13	13	13	14	15	****	****	14	15	13	13	14	14	15	16	16	18	14
6	20	19	28	24	25	27	24	23	23	21	20	17	19	19	19	22	21	21	24	26	25	37	17	15	22
7	21	44	37	31	35	26	31	35	35	29	38	36	28	26	27	24	21	19	19	20	21	22	22	20	28
8	19	19	19	18	19	17	18	19	26	23	23	16	****	****	****	16	16	14	14	14	14	15	14	17	17
9	15	13	14	13	13	14	15	17	17	16	15	14	15	15	15	15	14	14	15	16	17	17	17	19	15
10	19	18	19	24	26	27	24	24	26	21	24	24	24	23	21	21	21	20	24	30	30	30	23	17	23
11	18	18	18	18	17	18	18	18	18	17	16	16	17	16	16	16	16	16	18	18	19	18	17	16	17
12	16	16	16	17	18	17	19	19	19	18	18	****	****	****	****	****	****	****	****	****	****	****	****	****	****
13	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
15	21	27	18	17	22	25	23	26	21	20	19	17	19	17	18	15	14	13	15	16	17	16	19	23	****
16	25	25	29	24	25	22	31	23	22	16	17	24	19	16	16	16	15	13	13	14	13	12	13	13	19
17	13	13	16	17	14	14	13	12	12	13	13	11	11	10	10	12	11	11	11	11	12	13	13	12	16
18	12	14	14	15	15	15	18	20	19	18	17	15	****	16	15	15	15	14	14	13	16	18	17	16	16
19	22	23	20	17	18	17	21	19	17	17	18	21	20	18	20	21	21	18	19	21	20	23	29	20	20
20	25	23	22	28	31	23	17	17	24	32	26	16	17	19	21	17	16	13	11	11	11	12	12	12	19
21	12	12	12	11	10	11	13	12	12	11	12	11	11	12	12	12	11	11	11	11	14	15	19	13	12
22	12	11	11	11	10	10	12	13	****	14	14	13	14	14	15	14	14	13	14	14	14	14	15	16	13
23	19	17	16	15	16	14	16	16	19	19	16	14	14	13	13	13	13	13	14	15	15	15	18	21	16
24	20	19	52	35	31	34	36	22	21	25	17	16	17	17	16	15	15	15	15	16	21	23	19	22	
25	20	20	21	23	21	21	21	22	22	20	21	18	****	13	14	13	12	11	11	12	13	15	13	12	17
26	20	20	21	23	21	21	21	22	22	20	21	18	****	13	14	13	12	11	11	12	12	12	12	14	14
27	13	14	16	17	17	16	17	19	21	18	17	15	14	16	14	11	11	11	11	11	12	12	12	14	14
28	11	12	12	12	13	13	14	14	14	13	13	14	14	14	14	13	13	13	13	13	14	15	16	15	13
29	14	16	15	16	15	16	17	17	15	14	13	13	13	****	13	11	10	11	11	11	12	12	12	12	13
30	12	12	11	11	12	12	14	14	14	12	13	13	13	13	14	14	14	12	12	12	13	14	14	14	13
MEAN	17	18	19	18	18	18	19	19	19	18	18	16	16	16	16	15	15	14	14	15	16	17	17	17	16.9

PERCENTAGE OF DATA VALID - 88.2 PERCENTAGE OF DATA INVALID - 11.5 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	13	13	13	12	12	13	13	15	15	14	13	12	12	12	12	12	12	12	12	12	15	18	18	13		
2	18	15	14	13	14	16	14	12	12	11	12	11	11	11	11	11	11	11	11	11	12	12	13	11	12	
3	12	11	11	11	11	10	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	11	10	11	12	
4	12	11	11	11	10	11	12	13	13	48	27	13	***	13	14	13	14	15	15	14	13	13	14	18	21	14
5	21	19	20	20	24	32	30	48	27	21	19	17	16	15	14	15	15	14	14	14	14	14	14	15	20	
6	18	21	19	16	16	19	19	20	21	19	17	15	14	13	13	13	12	12	13	15	15	16	17	17	16	
7	18	18	16	16	16	20	23	22	20	20	18	17	15	15	14	14	14	13	13	15	15	16	17	17	16	
8	15	14	14	14	14	14	15	16	15	12	12	11	12	12	12	10	10	10	10	11	11	11	11	11	12	
9	12	12	12	12	12	13	13	13	12	12	12	12	12	12	12	11	11	11	11	11	13	13	14	12	12	
10	14	15	15	13	12	12	13	13	13	12	***	15	15	15	15	16	15	15	15	16	15	15	16	16	14	
11	17	16	17	17	16	17	18	17	19	17	17	17	18	16	17	18	16	16	17	17	18	19	18	17	17	
12	17	17	20	22	22	22	25	25	23	25	22	19	18	17	18	17	17	16	16	17	16	17	18	17	19	
13	18	23	23	16	16	15	16	16	16	17	17	17	***	16	14	15	13	15	15	13	14	14	15	16	16	
14	15	13	14	14	15	16	14	13	15	21	18	16	15	13	13	14	14	14	13	15	17	15	20	14	15	
15	14	14	16	13	16	19	17	13	16	13	11	10	10	10	9	9	10	10	11	12	10	10	10	9	12	
16	9	9	9	9	9	9	9	9	9	9	10	10	11	10	11	9	9	9	9	9	9	10	11	10	9	
17	10	11	11	11	11	10	11	12	13	11	11	11	***	9	13	13	12	12	12	13	15	15	15	15	12	
18	14	15	16	15	14	16	17	22	23	22	17	16	17	17	16	14	12	12	13	15	15	15	15	15	9	
19	14	16	16	15	14	15	22	22	21	20	17	15	14	14	14	14	15	16	17	15	16	16	17	20	16	
20	16	14	15	16	15	15	16	17	18	18	18	17	***	13	14	13	12	11	11	13	16	14	14	14	15	
21	18	16	17	18	15	23	24	16	16	19	25	16	13	19	18	12	15	10	11	11	14	15	16	18	16	
22	21	22	21	16	17	15	14	24	22	13	13	10	15	14	14	11	10	10	11	11	12	16	11	9	15	
23	10	10	11	11	10	10	10	9	8	8	7	7	7	7	7	8	8	9	9	9	10	10	11	10	9	
24	11	10	11	12	12	14	17	18	21	14	14	12	***	13	12	13	13	13	14	14	13	12	14	14	16	
25	15	14	16	23	21	20	19	15	15	16	17	15	17	16	15	15	14	12	12	13	13	12	14	17	16	
26	15	13	13	12	13	13	15	14	14	13	13	13	12	12	11	12	12	11	14	13	10	10	10	11	13	
27	11	10	10	11	11	12	17	14	14	15	16	16	***	***	15	15	13	14	13	13	12	13	12	14	11	
28	13	13	13	13	13	13	14	15	15	14	14	14	14	15	15	13	14	13	13	12	13	12	19	15	14	
29	17	15	14	13	13	13	13	11	10	9	9	10	10	10	11	12	8	7	8	8	8	9	9	11	11	
30	8	8	7	7	8	8	7	7	8	7	7	7	7	7	7	8	7	7	8	9	10	10	12	13	8	
31	12	10	9	8	8	8	8	9	9	9	8	8	8	8	9	10	10	10	10	10	12	10	11	13	10	
MEAN	14	14	14	14	14	15	16	16	16	15	14	13	13	13	13	13	12	12	12	13	13	13	14	14	13.8	



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	26	22	22	24	26	18	16	15	12	11	11	16	15	15	14	13	13	13	14	15	15	16	18	17
2	23	20	24	27	24	23	36	25	19	16	16	16	17	16	18	16	14	14	13	13	14	15	13	19	
3	13	13	13	13	14	14	13	15	15	16	15	14	13	12	12	13	12	11	12	12	10	10	10	8	13
4	9	8	8	8	8	7	9	9	9	8	9	9	9	8	8	7	7	7	7	8	7	8	11	10	8
5	11	12	15	16	19	19	19	14	17	9	8	6	6	7	7	6	7	8	6	8	6	5	5	7	10
6	12	13	13	14	17	19	20	15	24	30	16	10	8	6	6	5	5	6	6	8	9	15	14	14	13
7	21	15	15	14	11	10	10	11	11	8	6	5	7	7	7	7	8	8	7	7	8	9	8	10	
8	14	13	12	11	11	13	13	13	15	18	16	15	15	14	14	14	14	14	13	13	13	14	15	14	16
9	14	14	14	14	15	15	15	17	19	19	19	18	18	16	16	17	17	16	16	14	15	14	15	15	16
10	15	14	13	14	13	14	15	16	16	15	16	15	16	16	15	15	16	16	16	17	19	21	25	26	16
11	28	22	19	18	19	18	20	24	20	***	***	***	***	***	***	***	14	***	***	***	17	17	21	31	*****
12	27	19	18	***	16	***	21	19	17	18	17	***	***	***	13	12	12	***	***	***	15	14	17	17	17
13	14	***	***	***	19	19	18	19	21	***	***	13	***	***	***	***	***	***	***	***	19	18	17	15	*****
14	22	18	15	17	18	24	26	24	20	***	22	16	16	13	14	13	14	13	15	14	13	15	19	23	18
15	21	19	23	14	25	20	21	24	20	***	16	15	14	15	15	14	14	13	16	19	15	13	14	11	17
16	11	12	10	10	11	11	12	14	***	***	***	13	13	12	13	11	11	10	11	9	9	9	10	10	11
17	10	9	9	9	9	10	10	10	10	11	11	11	11	11	11	11	10	11	11	12	12	12	13	11	11
18	13	22	23	18	16	18	17	17	23	13	14	13	13	15	16	15	15	14	12	13	12	12	12	13	15
19	13	14	14	15	19	27	15	13	13	12	11	11	11	11	10	10	10	10	11	10	10	10	10	10	13
20	10	10	10	10	10	11	11	11	11	11	11	10	11	11	11	11	11	11	11	11	11	12	11	12	11
21	12	12	11	12	12	12	13	16	18	19	18	14	15	16	16	14	14	13	14	14	15	15	15	18	20
22	18	18	21	23	27	23	26	38	***	20	14	13	13	15	17	17	17	13	14	16	12	19	22	26	20
23	32	22	20	21	18	17	20	27	25	23	19	15	15	15	17	19	17	16	15	17	20	15	14	17	19
24	21	19	16	16	14	14	17	33	25	23	21	21	25	27	23	18	14	14	14	14	14	14	14	14	19
25	14	15	15	14	14	15	16	18	17	16	16	17	16	16	16	16	16	16	16	17	18	22	21	17	16
26	16	16	14	13	13	14	14	15	13	13	14	14	13	13	13	13	13	13	14	16	18	14	15	16	14
27	16	16	14	12	13	13	13	13	12	12	12	12	12	12	12	12	13	13	12	12	12	12	12	12	13
28	12	12	12	12	12	14	18	15	16	***	17	17	18	16	16	14	13	14	15	14	12	12	11	12	14
29	11	12	11	12	15	18	19	19	16	14	15	13	11	12	12	12	12	12	13	14	15	17	17	14	14
30	20	23	16	20	17	19	19	27	21	24	24	18	17	17	16	17	16	15	15	16	15	15	15	15	18
31	14	13	14	13	14	15	17	18	18	16	15	14	14	***	15	14	15	13	13	15	16	20	21	21	16
MEAN	16	16	15	15	16	16	17	18	18	16	15	13	14	13	14	13	13	12	13	13	13	14	15	15	14.7

PERCENTAGE OF DATA VALID - 94.6 PERCENTAGE OF DATA INVALID - 5.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	19	15	16	14	14	16	15	13	13	17	15	14	12	12	13	14	13	13	14	13	13	15	15	14
2	16	15	15	16	17	19	20	17	15	13	13	12	12	12	11	11	11	11	11	12	15	13	13	15	14
3	13	12	13	12	13	14	12	12	12	13	12	12	13	12	12	12	9	9	10	10	10	10	10	10	12
4	10	10	10	11	10	10	11	11	11	11	11	11	12	11	10	10	11	10	12	14	11	11	11	11	11
5	15	16	17	18	19	19	21	22	17	15	***	16	14	13	17	15	15	14	14	15	13	13	12	13	16
6	16	18	16	15	14	16	20	24	20	21	21	13	13	12	12	12	14	14	14	16	16	17	13	12	11
7	12	11	11	11	11	11	13	14	12	15	14	15	17	15	15	14	14	14	14	14	14	14	14	14	13
8	12	15	16	14	13	14	14	15	15	15	16	16	16	16	15	16	18	16	18	20	18	17	16	16	
9	16	16	16	15	15	15	15	16	15	15	16	16	16	16	16	15	16	15	16	18	17	17	16	16	
10	16	16	15	15	15	15	15	15	15	15	16	17	16	16	16	15	16	16	16	18	18	17	19	19	
11	21	20	25	27	24	25	34	64	***	31	26	24	17	16	19	15	16	16	15	15	15	19	14	17	22
12	14	16	13	12	11	12	12	15	13	13	14	13	13	13	13	13	13	13	12	14	13	12	12	13	
13	13	12	12	12	12	14	16	14	13	12	14	13	13	13	14	14	14	14	13	13	13	12	12	13	
14	13	12	12	13	12	13	15	15	15	16	16	15	15	16	17	20	23	19	15	15	11	12	12	15	
15	12	12	12	12	13	14	15	15	***	14	13	12	12	11	12	12	12	12	12	12	13	14	13	12	13
16	11	11	11	12	12	11	12	11	11	11	11	10	10	10	10	10	10	11	11	10	11	11	12	11	
17	15	18	16	13	15	14	15	13	12	12	12	12	13	12	11	12	12	12	12	13	13	12	13	13	
18	13	12	12	11	11	12	13	14	13	13	17	***	17	14	14	14	13	12	11	14	13	13	13	10	
19	11	10	10	10	10	10	10	13	15	14	14	***	17	16	20	21	23	18	21	16	21	24	22	28	
20	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
21	22	22	23	25	24	26	28	37	39	17	14	14	15	14	14	13	13	12	13	13	13	13	13	12	
22	11	12	11	11	12	12	15	18	***	16	15	14	14	14	15	16	16	15	16	17	16	16	16	15	
23	15	16	17	17	18	18	18	21	19	17	13	13	13	13	14	13	15	14	17	16	17	16	13	15	
24	18	28	27	26	20	21	16	18	19	16	16	15	14	13	13	12	13	12	13	14	15	16	17	15	
25	14	12	12	12	13	13	14	14	13	13	13	13	12	13	13	13	14	13	14	14	15	15	14	13	
26	16	18	18	19	17	18	16	14	***	***	17	17	16	16	16	16	15	16	15	15	15	15	15	16	
27	14	17	21	17	16	18	18	19	19	17	16	15	14	14	14	15	14	13	15	14	13	10	10	15	
28	11	10	10	10	10	11	12	13	12	12	11	***	11	11	11	12	11	11	14	13	13	14	16	15	
29	18	17	21	17	20	21	25	29	18	***	16	14	13	14	14	13	13	13	12	12	12	13	16	16	
30	15	13	11	11	12	13	14	12	11	11	11	12	13	12	11	12	14	17	16	11	12	10	9	9	
MEAN	15	15	15	15	15	15	16	18	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14.6

## UNITS - 0.1 PARTS/MILLION

PERCENTAGE OF DATA VALID - 99.5      PERCENTAGE OF DATA INVALID - 0.5      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*-\* INDICATES DATA IS UNAVAILABLE

3.    \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.1 PARTS/MILLION

PERCENTAGE OF DATA VALID - 94.7      PERCENTAGE OF DATA INVALID - 5.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	16	15	15	16	16	17	19	19	20	20	21	21	21	19	17	19	23	18	17	16	15	15	15	18
2	15	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	16	16	18	18	18	18	18	15
3	17	17	17	17	16	16	15	15	15	15	15	15	15	15	15	15	15	15	15	14	14	16	17	16	16
4	13	15	14	13	13	13	14	14	15	16	15	14	14	14	15	15	17	16	15	15	14	13	14	14	14
5	14	13	13	13	14	14	14	16	16	17	16	15	16	17	17	18	20	19	18	18	17	17	17	15	16
6	16	16	16	16	16	17	18	21	24	19	17	17	14	14	14	14	14	14	14	14	15	14	14	14	16
7	14	13	13	14	15	15	15	16	16	15	16	15	15	15	15	15	16	15	15	15	15	14	16	16	15
8	19	18	15	18	18	18	18	19	20	16	16	14	13	14	14	15	14	14	14	14	14	14	13	13	16
9	13	13	12	13	12	12	12	13	13	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	12
10	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	14	14	15	12
11	15	15	15	15	15	15	15	16	19	17	17	----	18	18	19	18	18	19	18	20	18	17	17	18	17
12	17	17	18	17	16	16	17	16	19	19	16	16	15	15	15	19	21	19	16	15	15	15	15	15	14
13	14	14	14	14	14	14	15	17	17	16	16	16	16	14	13	13	14	13	13	13	12	12	12	12	17
14	12	12	12	12	12	12	12	14	15	15	15	14	14	14	16	17	18	17	18	17	15	16	15	15	14
15	14	14	13	13	13	13	14	15	17	----	18	17	17	17	18	20	19	19	19	19	19	21	19	16	17
16	16	16	16	16	18	19	20	20	21	22	21	20	19	18	18	18	18	18	19	21	18	16	16	16	18
17	16	16	16	15	14	13	13	13	13	13	13	13	14	14	14	15	15	15	15	15	15	15	15	15	14
18	15	15	15	15	16	17	18	19	18	18	----	19	----	19	19	19	17	17	17	16	17	16	16	16	17
19	15	16	16	15	14	14	15	17	18	----	15	15	15	15	15	15	15	15	15	15	14	15	14	15	17
20	16	15	16	19	15	13	12	13	13	14	13	13	12	13	13	14	14	13	12	13	13	13	14	14	14
21	14	13	13	13	12	12	12	13	13	----	14	13	13	14	14	16	15	17	16	15	16	15	15	15	14
22	16	16	16	15	16	17	16	18	19	18	17	16	16	17	18	18	17	16	17	16	15	14	14	14	16
23	14	14	15	15	16	16	16	16	17	15	15	15	15	15	15	15	17	18	17	17	19	18	21	16	
24	22	23	19	17	16	16	15	15	15	15	16	16	15	15	15	15	15	16	16	16	14	14	14	14	16
25	13	13	13	12	13	13	12	13	13	13	13	13	12	12	12	12	12	12	12	12	12	12	13	13	13
26	13	13	13	13	13	14	15	15	15	16	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14
27	14	14	14	13	14	14	15	14	14	----	14	13	13	13	13	13	13	14	13	13	13	13	13	13	13
28	14	14	14	14	15	14	15	15	16	15	15	16	14	15	15	15	17	17	17	18	17	15	16	16	17
29	16	16	15	15	16	16	16	17	20	20	20	21	17	16	16	17	16	18	17	15	14	14	14	16	17
30	15	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	17	17	17	19	21	18	20	21	16
31	19	16	16	17	18	19	18	18	21	19	18	18	18	16	15	15	15	16	15	15	15	15	14	15	17
MEAN	15	15	15	15	15	15	15	16	17	16	16	15	15	15	15	16	16	16	15	16	15	15	15	15	15.3

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS					UNITS - 0.1 PARTS/MILLION				
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO									
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING					
JAN	15	10.9	16	19					
FEB	28	11.5	15	22					
MAR	14	12.3	19	35					
APR	29	15.8	20	32					
MAY	27	17.9	34	88					
JUN	26	16.9	28	52					
JUL	31	13.8	20	48					
AUG	29	14.7	20	38					
SEP	28	14.6	22	64					
OCT	31	14.6	20	39					
NOV	28	17.0	33	63					
DEC	31	15.3	18	24					
YEAR	317	14.8	34	88					

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141 - 200	201 & OVER	TOTAL
JAN	207	197	0	0	0	0	0	0	404
FEB	217	432	12	0	0	0	0	0	661
MAR	136	216	24	2	0	0	0	0	378
APR	18	621	58	2	0	0	0	0	699
MAY	32	436	154	42	2	0	0	0	666
JUN	6	483	127	19	0	0	0	0	635
JUL	130	553	50	2	0	0	0	0	735
AUG	102	514	83	5	0	0	0	0	704
SEP	38	596	47	4	1	0	0	0	686
OCT	79	608	51	2	0	0	0	0	740
NOV	53	489	114	24	2	0	0	0	682
DEC	0	704	32	0	0	0	0	0	736
YEAR	1018	5849	752	102	5	0	0	0	7726

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
88.2	0	9.5	11.9	13.6	15.5	19.6	22.5	27.6	32.0	88	14.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	29	28	25	20	19	22	21	21	22	22	20	23	23	21	21	21	21	22	21	18	17	17	18	18	21
2	18	17	17	17	18	18	18	20	20	20	19	20	21	21	21	22	22	22	22	22	22	22	22	20	20
3	23	22	21	20	19	20	21	21	22	20	20	21	23	22	22	22	26	25	23	23	23	22	20	20	22
4	19	18	18	18	19	19	18	20	23	21	21	21	22	22	23	24	24	24	24	24	24	24	24	24	22
5	22	22	21	21	21	20	24	24	25	23	24	25	26	25	24	24	24	25	26	27	29	27	26	24	24
6	22	20	19	18	17	18	21	25	23	22	22	21	19	19	21	22	22	25	25	25	24	22	19	18	21
7	20	21	21	21	20	19	20	21	21	18	21	26	25	25	26	28	25	24	22	21	22	22	22	23	22
8	23	23	22	22	22	21	22	22	23	22	22	23	22	22	22	23	24	27	30	30	24	22	21	21	23
9	21	21	20	20	19	19	20	21	20	20	21	21	21	21	20	20	25	28	24	24	23	23	23	22	21
10	21	20	20	19	19	19	21	24	25	24	23	24	24	24	24	22	23	22	21	20	20	20	18	22	
11	17	16	16	16	16	16	17	18	19	17	16	17	18	18	19	19	20	20	20	20	20	19	19	18	
12	17	15	14	15	16	17	17	18	19	19	18	16	14	15	17	20	23	24	25	30	16	14	15	16	18
13	21	23	18	27	25	24	23	30	29	25	24	22	21	21	21	21	22	23	21	19	17	15	15	22	
14	15	13	12	12	11	11	11	11	12	12	12	12	12	12	12	12	14	15	15	14	13	13	13	13	
15	13	13	12	12	11	12	14	15	16	16	16	17	18	18	17	16	16	15	17	17	17	17	17	14	15
16	16	15	13	14	15	16	16	18	20	20	21	21	20	19	19	19	19	18	18	18	18	18	18	18	
17	16	19	18	14	13	15	20	23	25	22	20	19	21	20	21	23	24	21	20	19	18	17	17	16	19
18	15	14	13	15	15	14	15	16	17	17	18	19	***	***	24	24	27	28	24	25	24	25	25	24	20
19	24	23	26	25	23	23	25	35	46	35	29	26	25	25	25	26	31	31	27	26	21	21	21	23	27
20	27	24	25	25	25	23	25	26	25	23	22	***	22	21	21	22	21	21	21	20	19	19	20	19	22
21	21	20	19	18	18	19	20	21	21	21	21	22	23	23	23	25	24	25	30	28	27	27	24	29	23
22	31	30	34	25	26	22	21	22	21	20	21	21	22	22	22	22	22	22	23	22	22	22	22	22	23
23	22	22	23	23	23	22	24	25	26	26	25	24	23	23	23	23	23	23	22	23	23	23	23	23	23
24	23	23	23	23	23	23	23	27	26	26	26	25	26	25	26	25	27	26	26	25	24	24	24	24	25
25	25	25	25	26	27	29	35	44	42	36	27	27	33	31	34	37	35	32	24	22	21	20	19	18	29
26	19	19	19	19	18	18	18	19	20	18	18	18	18	25	23	25	24	23	23	22	23	22	22	21	21
27	21	22	22	22	22	22	23	25	25	24	25	25	25	26	26	27	28	27	26	27	28	26	25	24	25
28	23	23	23	23	23	23	24	25	25	26	26	27	26	26	26	26	26	27	27	26	25	25	25	25	25
29	25	25	24	23	24	23	24	24	24	24	24	24	24	25	25	25	26	25	25	25	25	25	25	25	25
30	25	25	26	25	24	24	27	32	31	28	27	27	27	26	***	24	28	25	24	23	22	21	22	20	25
31	21	21	21	21	21	22	23	24	25	23	23	22	23	22	23	23	24	24	23	22	22	22	22	23	23
MEAN	21	21	20	20	20	20	21	23	24	22	22	22	22	22	22	23	24	24	23	23	22	21	21	21	21.8

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS												UNITS - 0.1 PARTS/MILLION													
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH												MONTH - APR 78													
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	20	20	20	21	21	25	24	23	21	21	21	20	21	21	20	20	20	20	21	21	20	20	20	21
2	20	20	20	20	20	20	20	20	20	21	21	21	21	22	22	22	22	22	23	23	24	23	23	23	21
3	24	21	20	20	20	20	20	21	21	21	21	21	21	21	21	22	22	22	21	21	21	21	21	21	21
4	21	21	22	27	31	34	23	27	23	23	22	22	23	24	26	31	30	27	25	24	30	29	23	22	25
5	22	22	22	24	22	22	25	27	25	24	25	24	24	24	25	26	27	27	27	28	28	32	29	28	25
6	28	28	27	24	24	24	28	24	23	23	22	22	22	22	22	23	23	22	22	22	21	21	21	21	23
7	20	21	21	21	22	21	22	24	23	22	22	22	22	23	23	23	23	22	22	22	21	21	21	21	23
8	22	22	21	21	21	21	21	22	22	22	22	22	22	22	22	22	22	23	22	22	22	22	22	22	22
9	22	22	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	23	22	23	21	24	22	22
10	22	22	24	29	23	21	21	21	21	22	22	22	21	21	21	22	21	21	21	21	21	21	21	21	21
11	21	21	21	20	20	20	22	24	28	30	28	32	35	23	21	21	21	21	21	21	21	20	20	20	23
12	20	20	20	20	20	20	21	21	21	21	21	21	21	21	20	21	21	23	22	31	28	28	32	22	22
13	22	21	23	21	20	20	20	20	21	20	20	20	20	21	21	22	23	22	22	22	22	21	21	21	22
14	21	21	21	21	21	21	22	23	23	22	22	22	21	21	22	23	23	22	22	23	21	22	22	23	22
15	23	22	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	23	22	23	23	24	24	22
16	23	23	22	21	26	21	21	21	21	21	21	21	22	22	22	22	22	22	23	22	23	23	24	24	22
17	20	20	20	21	22	22	26	24	24	21	21	***	21	21	21	21	22	22	23	21	22	22	21	21	22
18	23	21	20	20	21	26	22	22	21	20	19	19	18	18	18	18	18	18	18	18	18	18	18	18	22
19	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	18	18	18	18	18	18	18	18	18	20
20	18	18	17	17	18	18	20	22	21	19	19	19	20	20	21	21	23	24	24	22	21	21	22	19	20
21	18	18	18	18	18	18	20	21	21	21	20	20	20	20	***	22	23	22	21	22	22	22	21	20	20
22	19	19	19	19	19	20	20	21	21	21	21	21	21	21	20	20	21	21	21	22	22	22	23	21	21
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	21	21	21	21	21	21	22	22	22	22	21	22	22	21	21	22	22	22	22	22	22	22	22	22	21.7

PERCENTAGE OF DATA VALID - 72.9 PERCENTAGE OF DATA INVALID - 9.0 PERCENTAGE OF DATA UNAVAILABLE - 18.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS			UNITS - 0.1 PARTS/MILLION		
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	21.8	29	46	
FEB	28	22.2	26	37	
MAR	31	22.9	28	50	
APR	22	21.7	25	35	
YEAR	112	22.2	29	50	

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141- 200	201&OVER	TOTAL
JAN	0	195	526	19	0	0	0	0	740
FEB	0	102	558	10	0	0	0	0	670
MAR	5	16	695	15	0	0	0	0	731
APR	0	58	459	8	0	0	0	0	525
YEAR	5	371	2238	52	0	0	0	0	2666

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.6	8	18.1	20.4	21.4	22.7	25.4	27.1	29.9	32.4	50	22.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	10	9	9	9	9	9	8	8	8	8	8	8	9	9	9	9	9	10	10	11	12	11	10	9
2	10	9	8	8	7	9	9	12	14	12	11	11	10	10	9	11	11	11	11	10	10	10	9	10	10
3	9	9	9	9	9	11	15	18	12	12	9	9	9	10	9	10	9	13	14	16	17	16	14	13	12
4	11	10	9	9	10	11	12	16	16	13	13	13	13	15	15	15	16	15	15	15	15	15	15	14	15
5	12	11	11	11	11	12	29	28	24	20	19	18	16	13	13	11	12	13	13	19	31	22	16	22	17
6	17	14	14	15	12	15	10	10	10	9	9	9	9	9	9	8	8	8	8	9	8	8	8	7	10
7	8	8	9	11	15	14	9	9	9	9	9	9	10	12	12	10	10	11	11	10	10	10	10	10	10
8	10	9	9	10	9	9	9	8	8	9	9	10	11	11	11	11	13	21	21	17	15	11	10	8	11
9	7	6	5	5	5	6	11	8	7	6	7	7	7	7	10	11	12	12	11	10	9	10	10	10	8
10	9	8	8	8	8	8	11	11	10	10	9	8	9	9	9	10	11	10	10	10	10	10	10	10	9
11	9	9	9	11	10	9	11	12	12	11	11	11	12	12	11	11	12	12	12	11	12	13	12	12	11
12	11	11	10	9	9	9	15	15	18	17	22	15	16	16	18	16	14	24	18	17	19	19	22	22	16
13	15	21	29	25	13	13	11	11	12	11	10	11	10	10	13	13	12	12	10	11	12	8	9	8	13
14	8	7	8	7	8	8	8	8	9	8	10	10	11	12	12	13	13	15	12	12	12	13	11	12	10
15	10	11	10	9	9	6	7	8	10	13	9	10	9	7	7	8	7	8	6	7	7	6	9	9	8
16	8	8	7	7	7	7	9	13	14	12	11	11	18	17	18	19	22	23	19	19	18	21	22	27	15
17	27	26	32	32	30	32	25	25	27	28	21	21	17	17	16	16	17	16	15	18	17	19	17	15	22
18	15	15	14	14	15	15	18	22	22	24	24	22	22	23	25	29	30	26	29	27	48	45	55	25	25
19	46	45	29	25	32	46	45	41	53	66	58	47	34	25	23	25	29	28	25	26	21	19	21	16	34
20	14	13	13	13	12	13	13	15	20	17	16	18	16	15	16	16	15	15	15	14	14	15	16	20	15
21	20	21	19	19	19	21	21	22	24	26	25	26	23	24	24	22	27	30	27	28	32	28	30	25	25
22	26	26	26	26	21	20	19	21	22	19	19	19	16	17	18	18	18	18	18	18	18	18	18	20	20
23	17	17	18	18	19	18	21	24	27	26	23	21	21	24	24	25	25	24	24	23	22	20	24	22	22
24	22	21	20	19	19	20	25	37	31	30	27	25	25	24	23	23	25	26	26	26	22	21	21	22	24
25	24	24	28	30	27	29	36	53	55	54	32	29	29	26	24	25	23	19	16	15	15	13	12	12	27
26	11	11	12	12	11	11	12	19	13	12	12	11	11	12	12	12	12	11	11	12	12	12	11	12	12
27	11	11	11	12	12	12	13	17	18	13	13	14	13	13	14	15	16	18	18	16	16	16	15	14	14
28	16	14	14	13	13	13	14	15	16	21	23	24	23	22	20	18	18	24	26	24	22	20	20	19	19
29	19	20	20	19	16	15	14	15	14	16	17	16	16	15	15	17	21	15	16	17	16	17	18	18	17
30	16	16	16	17	17	15	16	21	25	24	23	23	23	17	17	17	18	21	24	26	24	21	19	18	20
31	16	16	15	15	16	16	18	20	24	19	19	18	19	19	18	19	21	23	22	21	16	15	15	15	18
MEAN	15	15	15	14	14	14	16	18	19	18	17	16	16	15	15	15	16	17	17	17	16	17	16	17	16.1

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	15	15	16	15	15	17	21	23	19	19	18	17	17	16	17	19	20	20	19	19	18	17	19	18
2	16	17	19	23	36	33	34	26	22	27	37	28	25	26	22	25	26	25	26	27	25	21	21	21	25
3	24	30	31	25	30	25	26	30	32	37	25	23	19	18	21	21	25	27	25	22	22	22	20	21	25
4	21	24	23	26	21	21	23	24	28	27	27	25	24	23	22	25	24	23	31	31	35	32	26	26	
5	28	21	23	25	34	16	14	14	13	13	12	12	12	12	12	12	15	14	15	16	16	17	13	16	
6	13	13	13	13	14	14	15	16	16	17	16	18	17	19	19	20	22	24	23	22	18	18	27	17	
7	15	15	14	13	12	14	14	17	20	18	18	18	17	17	20	20	22	23	21	24	22	19	21	18	
8	19	20	20	20	21	21	22	28	33	29	23	23	21	19	18	22	25	26	24	25	24	22	19	23	23
9	20	22	22	20	25	18	21	31	27	23	21	18	17	14	***	20	20	23	28	29	21	18	18	19	22
10	18	17	21	24	22	23	30	34	35	28	27	23	23	22	18	17	26	30	31	28	25	24	23	25	25
11	26	26	24	22	20	20	22	25	25	25	24	22	21	22	20	20	21	25	23	19	19	18	18	19	22
12	19	18	16	15	16	16	16	16	16	19	18	18	18	24	18	18	17	18	18	18	24	24	24	18	
13	49	34	27	26	28	22	18	18	19	18	17	19	18	21	19	18	19	19	20	20	18	19	19	18	22
14	19	21	23	17	17	21	28	35	39	32	27	25	22	23	22	25	27	30	32	29	26	25	24	26	
15	25	22	21	21	21	22	31	40	38	33	25	20	21	20	***	***	19	18	18	19	19	22	23	24	
16	18	17	16	16	16	17	18	23	22	22	21	21	20	19	19	19	19	19	19	19	19	18	19	19	
17	18	17	17	17	17	16	17	18	19	17	16	18	17	17	-	-	-	-	-	-	-	-	-	*****	
18	23	21	22	20	20	19	20	20	19	18	17	17	18	17	17	17	17	18	18	17	16	16	16	16	18
19	16	17	18	17	17	17	17	17	17	18	17	16	16	16	15	15	16	16	16	16	16	17	17	17	
20	18	18	18	18	23	23	34	36	29	26	23	21	20	18	18	18	20	19	21	22	26	29	25	24	23
21	21	19	21	20	20	20	25	27	26	22	21	20	19	19	19	21	21	20	19	18	17	16	17	110	24
22	18	17	16	17	16	16	17	20	18	17	16	16	17	16	16	16	17	16	16	15	16	16	17	17	
23	17	16	16	17	17	17	18	22	23	20	20	19	19	18	18	19	19	18	18	19	18	19	18	19	
24	19	18	18	18	17	18	19	22	21	19	18	***	17	18	18	19	19	18	21	23	20	18	19	18	
25	19	20	19	19	20	48	22	19	17	17	17	17	17	17	17	18	19	22	20	18	18	18	19	19	
26	18	19	18	17	17	16	16	17	17	16	16	16	16	16	16	17	16	17	17	17	16	16	16	17	
27	16	17	17	17	16	16	18	21	19	18	17	17	17	17	***	17	20	18	18	17	17	17	17	17	
28	17	19	18	19	19	18	22	25	26	23	21	20	18	18	17	***	16	16	17	18	16	17	20	37	20
MEAN	20	20	20	19	20	20	21	24	24	22	21	20	19	19	18	19	20	21	21	21	20	20	20	24	20.5

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 1.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	42	41	32	24	23	23	23	26	22	23	22	19	19	19	20	19	21	19	19	19	17	17	16	16	23
2	15	16	15	16	16	15	17	20	22	18	16	16	16	16	16	17	18	19	19	19	18	24	21	18	
3	21	24	19	19	21	17	16	16	15	15	15	16	16	17	17	16	17	17	20	21	18	17	17	18	
4	16	16	25	33	16	16	16	16	16	16	16	17	16	16	16	16	15	15	15	16	16	16	16	17	
5	17	16	17	15	15	15	15	15	14	15	14	14	14	14	15	15	15	15	15	15	15	16	16	15	
6	17	17	18	17	18	18	22	29	25	23	19	18	18	19	18	18	19	20	21	18	19	20	18	19	
7	17	17	16	17	18	17	19	23	21	18	18	17	18	18	18	19	20	19	21	18	19	20	18	19	
8	21	20	20	18	22	26	26	27	20	16	15	15	13	13	14	14	14	14	18	30	28	32	42	21	
9	43	39	44	29	30	38	32	40	40	28	22	20	20	20	***	21	22	21	22	20	19	26	26	24	
10	27	24	24	24	23	24	29	32	24	18	17	17	20	17	16	16	16	17	18	28	28	24	23	25	
11	21	21	24	26	25	24	25	27	26	24	21	20	20	20	20	19	20	19	20	21	21	22	23	22	
12	22	24	25	22	22	22	23	32	32	24	21	20	19	21	19	19	20	19	18	20	20	21	23	19	
13	19	22	25	28	29	32	42	53	42	22	19	18	19	18	18	18	17	17	16	16	16	16	16	17	
14	17	16	15	16	16	16	17	18	18	17	17	17	19	18	18	18	18	19	17	16	16	17	16	17	
15	15	15	15	15	14	15	15	15	16	17	16	15	16	17	17	16	17	20	20	21	20	18	17	17	
16	17	17	17	17	18	18	16	18	17	16	14	14	14	14	14	14	14	14	14	15	16	16	14	16	
17	22	26	22	20	16	15	15	15	15	15	14	14	14	14	14	14	15	16	16	18	17	17	16	15	
18	15	15	15	14	15	15	16	16	16	16	15	15	16	15	15	14	15	15	15	15	15	15	15	15	
19	15	16	14	14	14	14	14	14	15	15	14	14	14	15	14	14	14	14	14	14	14	15	14	14	
20	16	17	16	17	23	25	22	18	16	14	14	14	14	15	14	15	15	15	15	15	15	15	15	16	
21	17	17	17	19	23	20	22	29	41	37	36	38	29	25	23	28	25	21	19	21	19	20	17	16	
22	16	17	17	16	17	17	18	21	19	17	17	18	17	16	16	16	18	20	21	21	19	20	19	18	
23	16	16	15	15	16	16	18	21	18	16	15	15	16	16	16	16	16	17	17	18	19	18	17	16	
24	15	15	15	15	15	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
25	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
26	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
27	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
28	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
29	25	22	20	17	16	16	16	18	17	16	23	17	16	16	15	17	16	15	17	17	16	16	17	17	
30	17	16	17	16	18	18	22	22	22	18	20	20	19	17	16	16	17	17	17	19	18	19	18	20	
31	18	18	17	17	17	19	25	19	17	16	15	15	15	***	17	17	17	17	16	16	16	16	16	17	
MEAN	20	20	20	19	19	20	21	23	22	19	18	17	17	17	17	17	18	18	18	18	19	20	19	19	



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	16	17	16	17	18	22	21	21	18	17	17	17	17	17	17	16	16	16	16	16	16	16	16	17
2	16	16	16	16	15	16	16	16	17	17	17	17	17	16	16	17	17	18	20	22	23	21	21	19	18
3	16	15	15	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
4	16	16	16	17	16	16	19	18	16	17	17	16	17	19	20	20	19	18	17	18	23	26	31	21	19
5	16	16	16	16	16	16	17	18	16	16	16	16	16	16	16	16	17	17	21	22	27	33	30	28	19
6	30	24	24	27	23	20	18	17	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	18
7	15	15	16	17	18	17	18	20	19	18	17	17	17	17	17	16	16	16	15	16	16	16	16	16	17
8	16	15	17	16	15	16	16	16	17	18	17	18	18	18	18	18	18	18	18	18	18	18	20	20	17
9	20	19	18	19	19	17	17	17	17	17	17	17	17	17	17	18	18	18	18	19	21	18	20	23	18
10	17	16	21	19	17	15	14	15	15	15	15	14	15	15	15	15	16	16	16	16	16	16	16	16	16
11	15	16	15	15	16	16	17	17	17	23	24	27	31	18	18	17	18	17	19	18	17	17	17	17	18
12	17	17	16	16	17	17	18	19	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13	20	20	22	24	18	18	18	19	17	16	16	17	16	16	16	16	16	16	15	15	15	15	16	16	17
14	16	16	16	15	14	15	16	16	16	15	15	15	16	16	18	17	17	16	16	16	16	16	17	18	16
15	18	18	17	17	17	16	16	16	16	16	16	16	16	16	17	17	16	17	17	17	17	17	17	17	17
16	17	17	17	17	17	19	19	18	17	16	16	15	15	15	16	16	17	19	18	20	19	18	19	18	17
17	19	18	19	17	18	17	20	21	19	16	17	16	17	16	17	17	17	18	20	23	24	26	25	20	19
18	21	23	19	24	27	25	18	16	15	15	15	15	15	15	15	15	14	15	15	15	14	14	14	14	17
19	15	14	15	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
20	19	18	16	16	16	17	18	20	20	20	19	20	22	23	21	20	23	19	18	17	17	16	17	17	19
21	17	16	16	16	16	16	18	20	18	17	18	18	18	18	18	22	19	18	18	18	18	18	18	18	18
22	18	18	18	19	18	18	18	18	18	18	18	18	18	18	18	17	18	17	17	18	17	18	18	20	18
23	21	20	20	21	19	20	21	17	16	16	14	15	15	15	15	15	16	17	18	21	25	30	27	24	19
24	30	20	23	26	21	20	21	18	16	15	15	15	15	17	17	17	18	20	19	20	21	20	21	56	27
25	20	21	23	20	17	16	17	16	16	15	14	14	14	14	14	14	14	14	14	15	17	20	27	33	17
26	30	21	19	25	20	23	18	17	15	15	15	14	14	14	14	14	14	14	15	15	16	20	17	24	25
27	25	32	28	24	27	25	29	21	17	15	15	15	16	16	14	14	17	18	17	17	17	17	17	17	20
28	18	17	18	19	17	18	18	20	23	19	18	17	17	17	17	18	19	19	19	21	23	21	19	19	19
29	20	19	18	19	17	16	15	15	15	16	16	16	16	16	16	16	16	15	16	15	16	16	16	16	16
30	18	17	18	19	22	19	18	16	16	16	16	16	15	14	14	14	15	15	15	15	16	16	16	16	16
MEAN	19	18	18	19	18	18	18	18	17	17	16	16	17	16	16	17	17	17	17	18	19	19	21	19	17.7

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	15	15	15	15	15	15	18	20	17	21	17	16	16	16	16	16	17	16	17	17	17	16	16	16
2	17	17	18	17	19	18	18	19	21	18	16	16	16	***	16	16	16	17	17	16	16	16	15	17	17
3	15	15	14	15	14	15	20	22	21	21	17	16	17	15	15	16	17	18	17	16	17	18	19	21	17
4	18	23	16	18	15	15	18	23	25	17	14	13	13	13	13	14	14	14	14	14	14	14	14	14	16
5	14	14	14	14	14	15	15	15	15	15	15	14	14	14	15	15	14	15	15	15	15	15	15	15	15
6	15	15	15	15	15	15	15	15	15	15	16	15	16	15	16	16	17	21	22	24	24	19	19	20	17
7	18	18	17	18	22	21	18	17	16	16	14	15	15	14	15	15	15	15	15	15	15	15	15	15	16
8	15	15	15	15	15	15	15	16	15	15	16	16	16	17	17	17	16	15	16	15	15	17	18	16	16
9	16	18	17	17	20	19	26	24	22	23	19	17	16	16	16	17	20	17	17	16	17	17	16	15	18
10	15	15	15	15	15	16	18	18	16	16	16	16	16	17	17	18	17	16	16	16	17	21	21	22	17
11	29	23	22	23	26	28	24	19	17	18	15	16	16	16	16	15	15	15	16	15	15	18	19	20	19
12	21	19	18	17	15	15	16	17	17	18	18	17	17	***	21	21	19	17	16	16	16	16	16	16	17
13	15	15	15	16	16	15	15	15	15	15	15	15	15	15	16	15	15	17	17	18	17	15	14	14	15
14	15	15	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	14	15	15	14	14	14	14	14
15	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	13	13	14	14	14	14	14	14	14	14
16	14	14	13	13	13	14	14	14	14	13	13	13	13	14	14	14	13	14	17	19	20	17	15	15	14
17	15	15	14	14	14	14	14	14	16	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
18	17	17	17	19	18	21	22	18	17	16	16	17	21	23	22	23	22	20	21	25	27	30	30	26	21
19	21	23	23	23	41	42	37	37	36	29	22	22	21	19	19	18	20	18	-	-	-	-	-	-	26
20	- DATA UNAVAILABLE -																								
21	- DATA UNAVAILABLE -																								
22	- DATA UNAVAILABLE -																								
23	-	-	-	-	-	-	-	-	-	-	-	-	-	23	19	16	16	16	17	17	16	18	20	24	*****
24	29	32	29	25	23	28	30	26	21	17	16	16	15	18	16	16	16	16	19	27	29	26	20	21	22
25	19	18	17	18	18	21	21	19	17	17	17	17	17	17	17	19	19	19	20	21	19	17	17	17	18
26	17	16	16	15	16	18	20	19	18	17	18	17	16	20	20	21	18	17	22	24	26	29	38	39	21
27	40	34	43	50	49	38	24	20	19	16	16	15	15	15	16	15	15	15	15	16	17	19	18	20	23
28	22	26	27	24	25	30	27	25	20	17	17	16	15	14	14	14	14	14	14	14	14	14	15	19	18
29	17	19	24	22	30	27	26	24	23	26	24	21	19	19	16	16	15	14	14	16	16	16	15	18	20
30	26	30	24	20	19	23	17	16	17	18	17	15	15	15	15	15	15	15	16	17	18	16	17	17	18
31	18	20	26	25	23	27	28	***	19	19	21	19	18	17	16	16	16	15	15	16	16	15	15	15	19
MEAN	19	19	19	19	20	20	20	19	18	18	17	16	16	16	16	16	16	16	16	17	17	18	18	18	17.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	15	14	14	14	15	17	17	16	16	16	15	16	15	15	15	15	15	15	15	15	15	14	17	15
2	18	17	17	17	19	26	34	32	32	27	23	15	16	15	16	18	17	16	15	16	16	16	16	15	20
3	14	14	13	13	13	14	14	14	14	15	15	15	15	15	15	15	14	14	13	13	13	13	18	22	14
4	16	16	15	15	16	18	18	15	14	15	13	13	14	14	14	14	14	14	14	16	18	18	15	15	15
5	15	21	19	15	14	14	15	15	14	16	14	14	16	15	15	16	16	16	16	15	16	18	18	16	16
6	20	23	23	23	25	27	25	23	21	18	17	15	16	16	15	15	15	16	16	16	16	17	19	20	19
7	17	17	20	23	24	21	19	19	17	17	17	17	18	18	19	18	17	16	16	16	16	17	18	22	18
8	18	21	21	21	21	23	23	24	22	22	20	21	23	20	21	22	21	19	19	18	18	17	18	17	20
9	15	15	15	15	15	16	21	19	18	17	20	20	21	20	19	18	16	16	23	33	17	17	17	17	18
10	17	16	16	17	18	19	17	15	15	15	15	15	15	15	15	15	14	14	14	15	16	16	18	18	16
11	18	17	17	17	17	20	17	17	19	18	17	17	17	17	16	16	16	16	17	17	18	18	18	17	17
12	17	17	17	17	18	19	19	20	19	19	18	18	19	18	18	18	18	22	23	19	16	15	15	14	18
13	14	13	13	13	13	14	15	16	15	15	15	16	15	23	26	17	16	15	15	15	15	15	14	14	16
14	14	14	14	14	14	15	17	20	19	15	15	15	15	15	15	16	16	15	15	15	15	16	17	15	15
15	15	15	15	15	15	17	18	16	16	15	15	15	16	16	16	16	16	15	16	19	23	25	26	27	17
16	26	25	24	21	22	18	16	16	15	14	14	14	15	15	15	15	15	14	14	14	14	15	15	16	17
17	17	17	17	16	17	17	16	17	16	17	16	17	17	17	17	18	17	16	17	18	17	16	17	16	17
18	17	17	18	18	15	16	15	15	15	15	15	15	14	14	14	14	14	14	14	14	15	15	15	14	15
19	15	15	15	15	15	17	22	20	18	16	16	15	15	16	16	19	18	16	15	16	18	17	18	19	17
20	21	22	21	19	18	21	24	21	18	17	16	17	17	18	18	16	16	15	15	15	16	15	15	15	18
21	20	23	27	26	25	22	17	16	18	19	20	20	21	22	22	21	19	17	16	16	15	15	16	15	20
22	15	14	14	14	14	15	16	16	15	14	15	14	15	15	15	16	15	15	15	16	19	23	21	17	16
23	15	14	14	13	14	15	17	16	15	15	15	15	15	15	15	16	18	17	17	18	18	17	16	15	16
24	16	22	31	15	16	16	16	16	15	15	15	15	16	15	15	15	15	15	15	17	19	22	25	28	18
25	32	36	28	29	30	28	21	18	16	16	15	15	15	15	15	14	14	15	15	15	15	16	16	16	19
26	16	16	16	17	19	19	17	16	16	17	17	17	17	18	18	17	16	16	17	17	18	23	17	18	17
27	17	23	19	19	22	25	28	27	23	20	19	19	18	18	17	17	18	18	16	16	16	15	15	14	19
28	14	14	14	14	14	15	18	17	16	16	16	16	16	17	18	22	19	18	18	18	18	18	18	19	17
29	20	19	19	18	17	18	19	20	18	18	19	18	19	19	19	20	20	19	21	22	19	19	19	19	19
30	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	17	17	17	17	18	16	15	15	15	17
MEAN	17	18	18	17	18	19	19	18	17	17	17	16	17	17	17	17	16	16	16	16	17	17	17	17	17.2

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	15	15	16	17	17	15	14	14	14	13	13	14	14	14	15	15	14	15	15	17	18	20	19	15
2	17	15	14	15	15	16	15	14	14	14	14	14	14	14	13	13	13	13	13	13	13	13	14	13	14
3	13	13	13	13	13	13	13	13	14	14	14	14	14	14	14	13	13	14	14	14	14	13	13	13	13
4	13	13	13	13	13	13	13	13	13	13	14	14	13	15	15	15	15	15	15	17	19	21	22	24	15
5	23	22	22	20	21	25	25	21	19	19	19	20	18	16	20	19	18	18	17	.....	.....	.....	.....	.....	20
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	20	20	21	22	22	23	24	.....	.....
7	29	24	24	24	25	28	29	29	25	25	24	21	20	19	19	19	19	20	20	21	22	21	21	21	23
8	20	20	19	19	19	19	20	22	21	19	18	18	18	18	17	17	17	16	16	16	16	16	16	19	18
9	17	16	16	16	16	15	16	16	16	16	16	16	17	16	16	16	16	16	17	17	19	19	19	21	17
10	20	20	18	17	17	17	17	17	16	16	16	16	16	16	16	16	16	16	17	16	16	16	16	15	17
11	14	14	14	14	15	15	18	18	17	16	16	16	17	16	16	17	17	16	16	16	17	17	17	16	16
12	16	15	15	15	17	17	18	21	19	17	16	15	16	16	16	16	15	15	15	16	18	20	22	24	17
13	23	24	21	19	17	17	18	18	17	17	16	17	17	17	17	17	18	18	18	17	18	19	20	18	18
14	17	50	17	16	17	20	19	18	17	16	18	19	18	16	16	15	15	15	15	15	16	16	18	17	18
15	17	18	21	25	18	20	23	19	18	17	17	17	16	16	16	17	16	17	16	17	16	16	17	17	18
16	16	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	15	15	15
17	15	15	16	15	15	16	28	19	16	16	16	16	16	16	15	16	16	16	18	20	18	19	20	17	17
18	18	17	19	20	20	24	26	25	19	20	21	18	17	17	17	17	16	16	16	16	17	19	21	20	19
19	19	19	20	22	21	20	24	26	25	24	22	20	18	17	16	17	17	18	19	18	18	21	22	23	20
20	22	20	21	23	23	22	21	23	23	23	24	23	19	18	18	18	18	18	19	19	20	19	19	18	20
21	18	19	19	17	17	17	19	17	18	19	16	16	19	19	22	19	17	15	17	19	20	16	16	18	18
22	20	22	23	23	20	21	20	18	16	18	17	16	17	17	16	16	17	17	16	17	16	17	17	18	18
23	16	16	17	17	16	16	15	15	14	14	14	15	14	14	14	14	15	15	15	16	16	15	15	16	15
24	33	16	15	15	16	17	19	17	15	15	15	15	15	15	15	15	14	15	15	15	16	16	16	17	16
25	17	30	41	37	24	20	18	17	16	15	15	15	15	15	15	15	15	16	15	15	15	16	16	17	16
26	22	20	18	17	18	20	21	22	19	18	18	18	18	18	18	18	17	17	19	18	15	15	16	16	18
27	16	15	15	15	15	16	20	19	17	18	17	17	17	16	15	17	18	19	20	20	19	16	16	15	17
28	14	15	16	16	15	16	17	18	17	18	17	16	17	21	17	17	18	17	18	17	18	19	23	17	17
29	18	18	20	22	22	19	19	17	17	16	17	17	19	19	20	20	19	18	17	16	16	15	15	15	18
30	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	22	24	20	16
31	18	18	16	16	16	15	16	16	15	15	15	15	17	15	15	15	15	15	16	16	16	20	22	22	16
MEAN	18	19	18	18	18	18	19	18	17	17	17	17	17	16	16	16	16	16	17	17	17	18	18	19	17.4

PERCENTAGE OF DATA VALID - 97.3 PERCENTAGE OF DATA INVALID - 2.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION													
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	24	25	25	29	32	34	36	30	24	19	18	17	17	17	17	17	17	16	16	16	17	23	19	20	22	
2	23	24	24	26	32	30	30	26	21	18	17	****	20	21	20	20	20	21	22	22	22	21	****	****	23	
3	- DATA INVALID -																									
4	****	****	****	****	****	****	****	****	****	14	15	16	16	16	16	16	16	16	16	17	19	22	21	21	21	****
5	25	26	25	31	29	29	26	21	19	17	17	16	16	16	16	16	16	15	15	16	17	18	20	21	20	
6	25	22	24	24	26	29	28	24	20	20	20	19	17	16	16	16	16	16	16	16	17	18	21	25	29	
7	30	32	28	28	24	23	22	21	20	17	16	16	16	16	16	16	15	15	15	16	16	17	20	27	20	
8	26	25	27	25	23	29	36	30	26	23	21	21	20	18	19	18	18	18	18	18	18	17	16	22	22	
9	17	18	17	16	17	19	19	20	21	20	22	20	19	23	22	19	19	19	19	19	20	19	19	18	19	
10	16	16	16	15	16	17	22	21	16	15	15	15	14	14	14	15	15	15	16	21	21	27	36	38	19	
11	35	31	32	31	29	27	24	19	16	15	15	14	****	15	15	15	15	15	15	15	17	23	29	33	22	
12	37	29	34	27	29	32	32	24	21	18	17	16	16	16	16	16	17	16	17	18	20	26	27	29	26	
13	26	25	26	24	26	28	26	21	19	18	20	19	18	18	17	17	17	17	17	19	20	23	25	23	22	
14	25	25	25	24	25	27	31	28	34	23	22	19	18	17	17	17	17	17	18	18	20	24	24	26	23	
15	23	20	18	23	26	28	24	20	19	18	18	17	17	18	16	16	17	21	18	****	****	****	****	****	20	
16	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	19	18	18	18	18	17	17	17	****	
17	16	16	17	16	17	17	18	18	18	17	18	18	****	16	15	15	15	15	15	17	19	18	19	16	17	
18	18	20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
19	- DATA INVALID -																									
20	- DATA INVALID -																									
21	- DATA INVALID -																									
22	31	47	52	50	38	47	29	25	24	23	19	18	17	17	17	17	17	18	18	19	21	23	30	32	27	
23	36	29	30	30	28	33	38	26	20	19	16	16	16	17	18	18	17	17	16	16	17	22	25	29	23	
24	24	27	31	25	22	20	21	27	27	29	27	27	27	25	19	16	16	15	15	16	15	15	15	16	22	
25	21	18	17	19	17	19	19	18	17	19	19	19	19	20	18	18	19	19	21	23	21	28	30	33	21	
26	21	19	19	19	18	19	19	19	18	18	18	17	18	19	19	19	19	19	19	20	24	23	19	19	19	
27	18	18	19	17	17	17	17	16	17	17	16	16	15	15	15	15	15	15	16	16	15	15	15	15	16	
28	16	15	15	16	16	16	18	20	20	20	21	22	21	21	20	20	20	21	22	22	18	17	17	19	19	
29	16	16	17	17	17	21	24	26	24	22	21	21	20	19	18	18	17	17	18	16	19	21	21	22	20	
30	21	24	25	26	28	32	33	33	28	22	21	20	19	19	19	19	19	20	23	24	22	20	19	19	23	
31	19	20	20	19	20	20	21	24	19	18	17	17	****	27	20	20	19	19	20	20	23	27	27	25	23	21
MEAN	24	23	24	24	24	26	26	23	21	19	19	18	18	18	17	17	17	18	18	19	20	21	22	23	20.7	



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

PERCENTAGE OF DATA VALID - 97.9      PERCENTAGE OF DATA INVALID - 0.4      PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA VALID - 99.7      PERCENTAGE OF DATA INVALID - 0.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*\* INDICATES DATA IS UNAVAILABLE

3.    \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	16.1	34	66
FEB	27	20.5	26	110
MAR	26	18.8	28	53
APR	30	17.7	22	56
MAY	27	17.8	26	50
JUN	30	17.2	20	36
JUL	30	17.4	23	50
AUG	24	20.7	27	52
SEP	30	19.5	33	59
OCT	31	19.6	25	44
NOV	29	20.9	33	135
DEC	31	18.7	22	58
YEAR	346	18.7	34	135

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141- 200	201&OVER	TOTAL
JAN	197	355	166	25	1	0	0	0	744
FEB	0	368	256	31	0	1	0	0	656
MAR	0	450	165	24	0	0	0	0	639
APR	0	589	120	7	0	0	0	0	716
MAY	0	510	128	14	0	0	0	0	650
JUN	0	608	105	7	0	0	0	0	720
JUL	0	583	137	4	0	0	0	0	724
AUG	0	329	237	35	0	0	0	0	601
SEP	0	488	204	25	0	0	0	0	717
OCT	0	461	269	13	0	0	0	0	743
NOV	0	403	260	40	1	1	0	0	705
DEC	0	543	192	7	0	0	0	0	742
YEAR	197	5687	2237	232	2	2	0	0	8357

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.4	5	14.1	15.8	17.2	19.0	23.7	27.0	32.0	38.3	135	18.7

POLLUTANT - TOTAL HYDROCARBONS												UNITS - 0.1 PARTS/MILLION												
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK												MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21																								
22																								
23																								
24																								
25																								
26																								
27	14	12	12	12	12	13	17	17	16	16	16	15	15	15	15	15	17	16	17	15	13	12	12	14
28	12	13	14	13	13	13	13	13	13	13	13	11	11	11	13	14	14	14	14	14	15	14	17	13
29	19	26	26	28	22	18	15	16	16	12	12	13	14	14	14	15	12	12	11	11	11	10	10	15
30	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10	10	10	11	18	19	19	11
31	21	24	26	28	23	18	14	15	13	13	14	12	13	14	13	13	13	13	15	15	15	23	24	17
MEAN	15	17	18	18	16	14	14	14	14	13	13	12	13	13	13	13	13	13	13	13	14	16	16	14.3

PERCENTAGE OF DATA VALID - 16.0 PERCENTAGE OF DATA INVALID - 84.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION													
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK													MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	28	30	34	33	34	32	35	38	19	17	16	16	16	16	15	15	16	17	17	17	19	23	26	27	23	
2	28	27	31	31	32	33	35	36	32	23	19	18	16	16	16	16	16	17	17	17	16	16	17	15	23	
3	15	16	18	17	15	14	17	15	15	15	14	14	15	14	14	14	14	15	17	15	14	13	14	13	15	
4	14	14	14	14	14	14	14	15	14	13	13	14	16	15	14	14	14	14	15	17	26	25	21	23	16	
5	25	25	28	28	29	29	28	23	22	17	17	15	15	15	15	15	15	15	16	15	16	16	26	24	20	
6	29	29	30	29	28	30	29	27	21	18	18	20	17	17	17	17	17	17	18	25	28	29	27	23		
7	30	32	32	33	34	32	31	28	23	18	17	17	18	18	18	18	18	18	18	26	30	29	29	24		
8	29	32	34	38	34	32	31	27	25	22	****	16	16	15	15	15	14	15	14	13	13	14	13	12	21	
9	14	13	13	14	14	15	16	18	19	19	19	20	17	16	14	14	15	18	14	12	12	15	17	18	16	
10	21	17	13	13	12	12	13	14	13	12	11	11	12	12	12	12	13	12	13	14	24	25	25	27	15	
11	27	30	31	32	31	29	28	25	18	14	15	14	13	13	13	13	13	13	13	18	21	23	26	20		
12	26	30	35	31	30	30	29	22	15	13	12	14	14	14	14	14	14	14	14	20	28	29	27	22		
13	31	32	32	31	29	29	29	25	18	17	17	14	15	15	15	14	14	15	16	17	24	29	32	31	23	
14	32	28	29	29	32	31	34	30	24	30	29	24	18	17	17	17	17	16	17	20	30	34	35	25		
15	42	40	41	44	44	42	44	36	22	18	17	17	17	17	17	17	17	16	17	18	21	17	15	17	26	
16	18	18	22	34	19	18	17	17	17	17	16	16	16	16	16	16	15	14	15	14	14	14	14	17		
17	13	14	14	14	14	14	14	15	14	14	13	13	14	13	13	12	12	12	12	13	19	24	25	27	15	
18	28	25	26	28	32	35	32	29	20	****	16	17	19	17	16	16	16	17	17	17	17	16	16	22		
19	17	31	22	26	29	30	19	19	19	21	18	16	16	16	16	16	16	16	15	14	14	14	13	19		
20	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	16	15	14	15	14		
21	20	21	21	22	22	23	25	23	22	18	17	16	16	15	16	17	15	15	16	17	28	30	31	33	21	
22	35	36	38	38	36	39	40	42	35	23	22	21	19	19	19	19	19	19	18	18	32	33	35	36	29	
23	38	40	42	41	39	37	37	36	33	21	19	17	17	18	20	21	21	19	18	18	21	25	22	27		
24	25	28	26	28	25	23	23	24	33	32	****	23	30	31	27	20	18	17	17	16	16	15	15	15	23	
25	18	16	15	15	15	15	17	18	19	18	16	15	15	17	19	19	20	21	24	24	30	31	32	20		
26	30	27	25	26	27	24	22	19	13	14	13	14	17	17	16	16	16	16	17	25	30	24	23	25	16	
27	28	26	19	15	14	15	14	14	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	15	14	
28	15	15	15	16	16	16	17	21	20	18	18	18	18	17	17	18	16	17	20	19	15	14	15	14	17	
29	13	14	14	16	18	19	22	23	22	20	19	18	15	14	14	14	14	14	14	15	17	21	23	25	14	
30	29	30	31	29	28	32	37	40	33	24	19	18	17	16	16	17	17	17	19	24	23	17	16	24		
31	16	18	24	25	27	24	25	20	19	16	16	15	15	14	14	14	15	15	15	23	26	27	29	31	20	
MEAN	24	25	25	26	25	25	25	24	21	18	17	16	16	16	16	16	16	16	16	17	20	21	22	23	20.4	

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION												
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	33	35	35	34	34	34	32	25	18	****	16	18	21	19	18	19	19	18	19	20	21	29	26	26	25	
2	35	37	37	39	38	35	37	28	21	20	19	18	18	17	17	17	17	17	17	17	19	21	21	22	24	
3	21	20	21	21	21	22	25	23	20	18	17	17	16	18	19	16	15	15	15	15	15	15	15	15	18	
4	16	16	18	17	23	23	23	17	15	15	15	15	15	16	17	17	17	17	18	24	17	20	19	22	18	
5	30	31	28	30	32	36	32	28	21	19	20	20	16	16	***	21	19	19	19	20	30	23	25	24	24	
6	22	22	35	40	37	30	26	28	31	31	23	18	17	17	17	17	19	20	21	26	25	22	16	16	24	
7	15	15	15	14	14	14	14	15	15	15	15	15	16	15	15	15	15	15	15	15	15	15	15	15	15	
8	15	15	15	15	15	15	15	17	17	16	16	16	***	17	17	17	16	17	16	19	19	22	22	18	17	
9	17	19	23	24	24	17	16	16	16	16	15	16	16	16	16	16	17	17	17	16	17	31	25	17	15	
10	15	16	16	16	16	16	16	16	16	16	17	17	18	16	17	17	17	18	18	20	25	27	33	34	19	
11	32	33	41	43	41	49	52	58	68	50	30	34	26	22	23	22	19	19	18	18	18	18	19	22	19	32
12	20	19	19	17	16	16	16	17	17	16	17	17	***	17	17	16	16	16	18	18	17	18	16	17	17	
13	17	16	17	16	16	15	18	20	18	17	17	15	15	15	15	15	15	15	15	15	15	15	15	14	16	
14	14	14	14	14	14	15	17	18	19	17	17	17	17	19	20	19	21	19	17	16	15	14	14	15	17	
15	14	15	21	18	15	17	21	24	23	17	17	18	18	17	16	15	16	16	17	16	17	16	17	17	17	
16	17	18	17	16	15	19	20	16	14	14	14	14	14	14	14	14	14	14	14	14	16	25	31	16		
17	30	26	23	24	24	21	16	15	15	15	15	16	16	16	15	15	15	15	15	15	16	16	15	18	18	
18	18	15	15	15	15	15	17	19	22	18	18	18	18	18	18	19	19	21	17	15	17	16	16	15	17	
19	15	16	15	15	15	15	16	19	19	20	23	18	****	16	16	16	16	20	20	18	19	17	17	16	17	
20	18	18	20	31	29	31	30	25	18	19	18	18	17	18	20	22	20	23	21	23	24	23	25	26	22	
21	28	33	63	54	56	57	57	57	45	18	17	16	17	16	15	15	15	15	15	15	15	15	15	15	29	
22	14	15	15	15	15	16	19	19	16	****	17	16	17	16	16	16	16	17	20	26	30	26	25	30	19	
23	30	31	30	26	26	27	27	25	25	22	17	17	16	16	16	16	17	18	18	26	51	35	38	38	25	
24	41	44	49	46	52	44	43	39	27	23	19	18	18	18	16	16	16	17	19	20	25	24	23	19	28	
25	17	16	16	15	15	16	17	17	15	15	15	15	15	15	15	15	15	16	16	16	16	18	23	27	17	
26	30	25	25	29	24	24	28	31	****	****	****	****	****	****	17	17	17	17	17	17	17	17	17	18	21	
27	18	21	23	23	21	25	26	24	23	22	19	19	19	19	19	19	19	19	19	19	17	15	15	15	20	
28	14	14	14	15	15	16	17	16	16	16	15	15	16	***	14	15	15	15	15	21	23	23	29	31	17	
29	31	31	37	37	37	41	44	41	40	27	18	18	18	15	17	16	16	16	17	16	16	16	17	18	25	
30	28	32	38	35	34	36	40	43	20	17	17	17	17	16	17	17	18	18	19	19	19	18	15	15	24	
MEAN	22	23	25	25	25	25	26	25	22	20	18	17	17	17	17	17	17	17	17	19	20	20	20	21	20.6	

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION														
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - OCT 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	15	17	18	21	22	20	19	16	16	15	14	15	15	15	15	15	15	15	15	16	16	16	17	25	17			
2	25	20	22	21	24	25	29	27	19	15	15	15	14	16	17	17	17	18	20	28	34	33	40	40	23			
3	44	49	45	50	47	17	16	16	15	15	16	16	15	17	17	18	18	17	17	18	18	17	19	17	23			
4	20	18	18	17	16	16	16	18	21	28	21	18	----	----	16	16	16	16	17	20	22	25	26	34	20			
5	45	38	40	35	31	34	35	40	21	17	17	16	19	18	18	18	19	18	19	17	16	16	16	18	24			
6	17	21	16	16	15	16	17	16	16	16	15	16	17	17	20	20	21	21	20	20	19	18	17	16	18			
7	16	16	17	17	17	17	17	17	16	16	16	16	17	16	16	16	16	16	17	17	16	17	17	17	17			
8	17	17	17	16	17	17	17	17	16	17	17	17	17	17	17	17	17	17	18	26	26	27	24	30	19			
9	34	30	30	33	29	30	33	30	28	21	20	19	19	18	18	18	19	20	21	20	20	21	20	19	24			
10	21	21	22	23	21	23	24	27	23	24	22	22	23	22	21	23	24	26	22	23	27	28	28	55	25			
11	49	50	52	48	45	47	47	53	59	28	23	24	----	20	18	19	21	26	33	54	48	20	18	17	36			
12	17	17	17	17	17	17	18	19	19	21	21	19	20	19	20	18	19	21	19	18	17	19	21	23	19			
13	24	23	25	24	26	22	24	19	18	16	16	15	16	15	16	18	16	16	16	16	17	17	17	16	16			
14	16	16	17	17	17	17	17	16	16	16	16	16	16	16	16	15	15	15	17	20	16	17	19	24	17			
15	27	25	19	17	21	21	18	17	17	17	17	17	17	17	17	17	18	18	19	20	24	24	26	22	20			
16	18	17	17	20	21	18	21	21	21	17	18	18	19	17	18	17	18	19	----	----	----	----	----	----	19			
17	DATA INVALID -														19	20	21	20	21	20	21	21	22	21	22	21	22	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	19	20	22	25	25	20	21	22	18	15	15			
19	20	18	17	16	17	33	32	40	32	23	16	16	17	20	20	22	25	25	20	21	22	18	15	15	22			
20	15	17	21	22	27	28	32	32	31	28	21	17	----	----	16	17	18	21	22	18	20	22	23	22	22			
21	22	19	20	21	23	25	26	24	20	21	20	20	20	19	19	19	19	18	19	18	20	22	19	19	21			
22	19	19	18	19	20	20	26	26	19	18	19	18	18	19	19	20	20	19	19	18	19	20	20	23	20			
23	18	16	16	16	16	15	16	16	16	15	15	15	14	15	15	15	15	15	15	15	16	19	26	28	17			
24	34	32	30	32	33	30	39	39	38	25	18	18	16	----	16	16	16	16	16	16	17	17	18	18	24			
25	17	17	17	17	17	18	19	19	18	17	18	18	17	17	17	17	18	18	19	17	17	17	17	17	18			
26	17	18	18	17	18	18	16	16	16	16	15	15	15	15	14	15	15	15	15	15	16	19	20	18	18			
27	18	15	16	18	17	16	18	22	20	18	17	17	18	----	19	18	18	19	20	19	19	20	18	18	18			
28	21	18	22	31	23	22	23	22	19	17	15	15	15	15	15	15	15	15	15	15	16	17	17	17	18			
29	24	22	24	29	31	25	26	24	20	17	17	17	16	17	17	17	17	19	29	27	32	33	38	36	24			
30	37	34	34	17	17	17	18	20	18	18	18	18	18	17	18	18	21	23	35	39	46	41	21	23	24			
31	20	21	23	22	22	23	28	30	33	33	24	22	18	16	16	17	17	17	16	16	17	17	17	18	21			
MEAN	24	23	23	23	23	22	24	24	22	19	18	17	17	17	17	18	18	19	20	21	22	21	21	23	20.7			



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS																UNITS - 0.1 PARTS/MILLION									
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK																MONTH - NOV 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	27	30	29	30	30	31	35	32	29	23	17	17	****	17	17	18	20	23	22	22	24	30	24	25
2	24	22	20	22	23	21	19	24	29	26	25	22	22	21	17	16	21	25	24	23	23	26	33	31	23
3	31	35	39	44	43	44	45	47	54	40	21	19	20	21	****	21	24	24	35	38	40	43	53	48	36
4	37	38	43	37	32	30	33	33	30	27	30	30	28	25	27	30	29	28	32	50	52	51	54	57	36
5	61	79	66	63	69	66	62	68	61	40	24	23	23	21	20	20	19	20	23	23	23	23	23	24	39
6	20	22	23	23	23	23	22	25	22	17	17	17	16	15	15	15	15	17	16	15	17	19	19	22	19
7	16	16	15	15	15	15	15	16	17	16	15	15	15	****	****	17	17	20	29	24	23	32	35	36	20
8	38	36	34	40	47	47	49	48	52	46	23	20	19	18	18	18	19	18	18	16	18	20	22	19	29
9	19	18	18	18	18	18	18	20	22	21	20	21	19	19	18	20	22	27	22	26	36	35	38	23	23
10	39	47	40	39	38	38	38	41	38	23	23	22	21	****	23	22	21	28	21	21	21	31	35	30	30
11	40	30	31	37	51	45	39	26	25	23	21	21	21	21	20	28	21	19	18	17	16	16	16	16	26
12	17	16	16	16	16	16	16	17	16	17	17	17	17	17	17	18	17	18	19	19	20	24	21	20	18
13	19	19	20	21	20	22	20	22	19	21	22	19	20	20	21	22	25	20	21	21	22	20	21	20	21
14	20	20	20	20	20	20	20	21	24	26	23	33	23	17	****	****	14	15	15	15	15	15	16	16	19
15	16	16	17	16	16	16	17	19	20	18	16	16	17	17	17	17	18	18	27	36	39	41	41	43	22
16	44	44	48	43	39	38	28	34	29	32	18	15	15	15	15	16	17	21	22	19	19	17	16	16	26
17	16	16	16	16	16	16	16	17	18	18	19	19	19	19	19	19	21	17	16	16	16	16	16	16	22
18	16	16	16	16	15	15	15	15	16	16	16	15	15	15	15	16	16	16	16	16	16	16	16	16	17
19	17	17	17	16	16	16	16	16	16	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16
20	14	14	15	15	15	15	15	15	16	16	15	16	16	15	16	16	16	16	16	16	16	16	16	16	16
21	15	15	15	15	15	15	15	17	17	17	17	****	19	20	19	19	19	19	21	43	35	43	32	29	21
22	29	28	26	21	19	21	21	23	26	17	17	17	16	17	17	17	16	17	16	17	17	17	17	17	19
23	17	18	17	17	17	18	19	20	22	19	20	19	19	18	20	20	20	22	23	24	23	21	20	21	20
24	19	19	18	19	19	18	20	21	22	21	22	****	17	16	16	16	17	18	19	16	15	15	15	15	18
25	15	15	15	15	15	15	15	15	15	15	15	15	16	15	15	15	15	16	16	16	16	16	16	16	15
26	16	15	15	16	16	15	15	16	15	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
27	16	15	15	15	15	15	16	17	18	18	17	18	17	18	18	18	18	17	17	18	18	19	17	16	17
28	16	16	16	16	16	17	17	18	21	24	21	21	19	19	21	24	21	23	19	20	21	21	20	21	20
29	19	19	19	21	20	17	18	19	19	18	****	19	19	18	18	18	18	18	18	18	18	18	18	18	19
30	18	18	18	18	18	17	17	18	21	16	16	16	17	17	17	17	17	18	19	19	19	18	18	18	18
MEAN	24	24	24	24	24	24	24	25	25	22	19	19	18	18	18	19	19	20	20	22	22	23	24	24	21.9

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION													
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK													MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	21	20	20	18	19	18	18	19	20	19	19	20	25	22	24	23	19	24	21	22	21	19	18	17	20	
2	16	16	16	16	16	17	17	18	19	20	17	17	16	16	16	16	16	17	17	18	18	18	18	19	17	
3	18	17	17	16	16	16	16	16	16	17	16	17	18	19	18	19	19	18	19	19	19	19	20	19	18	
4	19	21	21	18	17	19	20	21	23	22	21	22	19	20	19	20	19	20	18	17	17	18	18	17	19	
5	20	17	16	16	16	17	17	17	18	21	****	22	19	20	21	19	18	19	18	18	18	19	19	18	19	
6	19	20	19	20	19	19	20	22	25	25	21	21	19	18	20	23	20	21	20	19	16	17	17	19	20	
7	19	17	17	17	22	18	18	22	24	21	21	21	21	19	18	19	18	19	19	19	18	19	21	22	20	
8	29	33	35	30	26	26	25	27	24	20	****	****	15	15	15	16	17	18	15	15	15	15	15	15	21	
9	15	15	15	15	15	14	15	15	15	15	16	16	15	15	15	15	15	15	16	16	16	16	16	16	15	
10	16	16	16	16	15	16	16	16	16	16	16	16	15	15	15	15	15	15	15	16	16	16	16	16	16	
11	16	16	16	16	17	17	18	18	20	25	22	21	19	20	21	19	20	20	21	22	20	19	18	19	19	
12	20	20	21	21	19	18	18	21	21	22	19	19	18	18	20	20	18	17	16	16	16	16	16	16	19	
13	16	16	17	17	17	18	17	17	19	20	20	20	20	19	18	17	17	17	17	16	16	16	15	15	17	
14	15	15	15	15	15	15	15	15	19	20	****	18	17	19	18	17	17	17	16	16	16	15	15	16	16	
15	16	16	15	15	15	15	15	16	18	19	18	19	19	18	19	18	18	17	17	18	20	20	20	19	18	
16	18	18	17	17	18	19	26	25	23	21	20	18	18	****	****	****	****	****	****	****	****	****	****	****	****	
17	- DATA INVALID -																									
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	16	16	15	15	16	16	15	16	15	15	15	****
19	16	16	15	15	15	15	15	16	16	16	16	16	15	15	15	15	16	16	17	16	16	15	15	16	16	
20	16	16	17	20	18	17	16	16	17	18	18	17	17	17	17	17	17	18	18	18	18	19	18	16	17	
21	20	19	19	17	16	16	16	16	15	15	****	15	14	14	14	15	15	15	16	17	16	16	16	17	16	
22	16	17	17	17	16	17	16	17	18	18	17	16	16	17	17	17	18	17	17	17	16	16	16	16	17	
23	16	15	15	15	15	15	15	19	18	17	16	16	16	16	16	17	17	18	21	25	37	44	47	50	22	
24	52	48	53	64	37	21	20	18	17	17	17	17	17	17	17	17	18	19	18	18	18	18	17	25	25	
25	18	17	16	15	16	16	17	15	15	15	15	16	17	16	15	15	15	15	15	15	15	15	15	15	16	
26	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	17	17	17	17	17	18	16	16	
27	18	17	16	16	16	16	16	17	20	18	17	****	17	16	16	16	16	17	17	17	17	17	18	17	16	
28	31	26	23	19	16	16	18	17	23	17	16	16	17	16	16	17	17	17	16	17	18	17	17	20	17	
29	33	28	22	23	23	26	23	21	23	20	22	****	19	17	18	18	18	18	29	28	29	34	32	32	22	
30	18	16	16	16	15	16	16	16	16	16	17	17	18	18	18	19	20	19	21	22	25	31	23	39	19	
31	40	36	46	46	52	48	54	52	47	29	40	38	26	23	21	20	21	22	21	21	21	23	22	20	33	
MEAN	21	20	20	20	19	18	19	19	20	19	19	19	18	17	18	18	18	18	18	18	19	19	19	20	18	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN		DATA UNAVAILABLE		
JUL	5	14.3	17	28
AUG	31	20.4	29	44
SEP	30	20.6	32	68
OCT	29	20.7	36	59
NOV	30	21.9	39	79
DEC	28	18.9	33	64
YEAR	153	20.3	39	79

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141 - 200	201 & OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	DATA UNAVAILABLE								
MAY	DATA UNAVAILABLE								
JUN	DATA UNAVAILABLE								
JUL	23	83	13	0	0	0	0	0	119
AUG	0	462	186	91	0	0	0	0	739
SEP	0	478	151	77	2	0	0	0	708
OCT	0	426	205	63	0	0	0	0	694
NOV	0	409	205	87	9	0	0	0	710
DEC	0	521	139	28	1	0	0	0	689
YEAR	23	2379	899	346	12	0	0	0	3659

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
82.9	2	14.2	15.7	17.1	19.9	29.8	36.1	44.5	50.8	79	20.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION													
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - JAN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	24	23	22	20	18	18	18	18	18	18	18	18	20	23	20	20	19	20	19	18	17	17	16	17	19	
2	17	17	17	17	17	17	17	18	23	22	21	20	17	17	18	18	19	19	18	18	18	18	18	18	18	
3	18	18	18	18	18	18	18	20	21	22	21	19	18	17	17	17	18	18	20	22	21	21	22	20	19	
4	20	18	18	18	19	20	20	25	32	28	24	25	23	22	-	25	24	23	23	24	23	22	22	23	23	
5	19	20	20	20	19	19	22	27	28	28	28	28	26	26	25	25	31	34	32	28	27	30	26	24	26	
6	22	20	19	18	18	18	19	24	26	24	25	22	22	22	23	24	25	26	24	22	22	23	21	20	22	
7	22	21	21	20	19	19	19	21	22	23	23	23	24	23	25	26	28	26	25	24	24	22	21	22	23	
8	23	23	23	21	20	21	22	23	23	24	24	23	24	25	25	25	30	30	30	25	23	22	20	19	24	
9	18	17	17	17	17	17	17	18	18	19	18	17	17	17	18	17	17	18	18	18	18	17	17	17	17	
10	17	17	17	16	16	17	17	18	18	18	17	17	17	17	17	***	21	21	20	19	19	20	20	19	18	
11	19	19	21	23	21	21	21	22	24	23	24	23	23	22	22	22	22	22	23	23	23	23	23	23	22	
12	23	21	21	22	22	22	23	24	28	30	28	26	26	27	27	27	30	32	35	40	28	28	28	28	27	
13	28	29	30	25	28	34	34	36	37	32	30	28	25	24	23	****	22	22	21	19	19	19	18	18	26	
14	19	18	18	18	18	17	18	18	18	19	19	19	19	19	19	19	19	19	18	18	18	18	17	17	18	
15	18	18	18	18	17	17	17	18	18	19	19	20	18	17	18	18	18	19	20	20	20	19	19	20	18	
16	20	19	19	19	20	21	20	22	26	26	25	23	21	19	20	20	21	20	21	21	20	23	26	29	22	
17	30	28	33	27	24	23	23	23	24	25	24	23	22	21	***	16	16	15	14	13	13	13	13	12	21	
18	12	12	12	12	13	12	12	13	13	13	12	13	13	13	13	13	14	17	16	14	14	15	16	17	14	
19	16	20	20	17	16	16	18	20	27	29	23	17	15	15	14	14	15	15	15	15	15	14	14	14	17	
20	13	14	13	13	13	12	13	14	14	14	14	14	13	13	14	14	14	14	14	14	14	13	13	13	13	
21	13	13	13	13	13	13	13	16	14	14	14	14	14	14	14	14	14	14	17	23	20	20	23	19	18	
22	18	17	18	19	19	16	16	17	17	17	16	16	15	15	15	15	16	16	17	15	15	16	16	16	16	
23	15	15	15	13	13	13	15	16	18	18	18	18	17	16	17	17	18	18	19	19	18	16	16	16	16	
24	16	16	16	16	16	16	16	20	22	23	20	19	19	20	-	21	22	23	22	22	20	19	-	-	19	
25	19	20	21	20	20	21	22	23	27	29	26	19	20	20	21	23	25	25	22	18	17	16	16	15	21	
26	14	14	15	15	15	15	15	16	18	16	15	14	15	15	15	16	****	****	****	****	****	****	****	****	15	
27	****	****	****	****	****	****	****	****	****	****	****	****	****	16	16	15	15	15	16	16	16	15	15	14	****	
28	15	15	15	15	15	14	15	15	15	15	15	15	15	17	16	16	15	15	15	15	15	14	14	15	15	
29	15	16	16	15	14	15	15	15	14	16	16	17	17	17	17	17	16	16	15	15	15	15	15	15	16	
30	15	15	16	16	15	15	15	16	17	19	19	19	19	18	18	***	15	16	18	19	18	16	16	15	17	
31	14	14	14	14	14	15	15	15	17	18	17	16	16	16	16	16	18	17	17	17	16	16	15	15	14	16
MEAN	18	18	19	18	18	18	18	20	21	21	20	20	19	19	19	19	20	20	20	20	19	19	18	18	19.1	

PERCENTAGE OF DATA VALID - 96.2

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	14	14	14	14	14	15	16	16	17	16	16	15	16	15	15	15	16	16	16	15	15	15	15	15
2	15	15	16	16	15	16	18	20	21	20	21	20	18	16	16	17	18	19	17	17	18	17	17	17	18
3	15	15	15	15	18	15	19	22	22	18	15	16	15	15	15	14	15	15	14	15	15	15	15	17	16
4	15	15	15	14	14	15	15	16	16	16	16	16	15	15	15	15	16	16	16	18	19	19	19	18	16
5	18	17	16	16	15	16	16	15	15	15	15	15	15	15	14	14	14	13	14	14	14	14	14	13	15
6	14	14	14	14	14	14	18	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13	15
7	13	13	13	13	13	13	13	14	14	15	15	15	15	14	14	14	14	14	14	14	14	13	13	13	14
8	15	14	14	14	14	14	15	17	21	18	16	16	15	14	14	14	15	15	17	19	18	19	18	16	16
9	16	18	17	16	16	16	16	18	17	16	16	16	14	14	14	14	15	18	17	21	18	16	16	18	17
10	17	16	18	17	16	16	16	19	21	20	16	15	15	15	16	****	16	18	19	17	15	15	15	15	17
11	15	15	15	16	15	16	16	16	16	15	15	15	15	14	14	14	14	14	14	13	14	14	15	15	15
12	14	14	14	14	14	13	13	13	14	14	14	14	14	13	13	14	14	14	14	14	13	14	14	14	14
13	16	16	16	14	14	14	14	14	14	15	14	15	14	15	14	14	15	15	16	16	15	16	15	15	15
14	15	14	14	14	14	14	16	20	18	17	16	15	14	-	14	14	14	14	14	14	16	17	18	20	16
15	16	16	16	17	17	17	19	24	26	25	18	17	18	****	****	****	26	29	31	30	26	24	25	27	22
16	27	26	25	27	23	22	24	26	28	27	21	21	21	22	24	21	21	21	20	20	21	21	19	17	23
17	18	18	18	18	17	17	18	22	23	21	19	18	****	16	15	14	14	15	18	18	18	19	22	21	18
18	21	22	21	19	19	19	18	19	19	19	15	15	14	13	13	13	13	13	13	14	14	12	12	13	16
19	13	15	15	14	14	14	18	16	16	15	15	15	10	10	10	10	10	10	11	12	13	13	13	14	13
20	16	17	18	20	22	19	24	24	23	28	32	22	16	16	17	19	21	21	14	16	20	26	24	22	21
21	19	13	13	17	19	19	17	20	21	17	15	13	14	13	13	13	13	13	14	13	12	13	12	11	15
22	14	13	12	14	12	11	12	15	17	15	12	11	11	11	11	11	12	12	20	29	12	13	13	12	14
23	11	11	12	11	11	13	15	19	24	21	20	15	****	14	13	13	14	14	14	14	14	13	14	14	14
24	15	14	14	14	12	12	13	17	17	17	14	14	13	12	13	12	12	13	14	17	17	14	13	14	14
25	14	15	16	17	18	17	32	27	17	14	14	12	12	11	12	12	10	10	11	11	11	11	12	12	13
26	17	16	14	13	11	11	11	13	13	11	10	10	10	10	10	10	10	10	11	11	11	11	12	11	15
27	13	12	12	14	13	12	12	16	13	13	11	11	11	11	10	10	10	11	12	12	12	13	16	13	13
28	13	15	18	20	18	17	19	23	26	22	20	15	****	14	12	13	17	20	20	19	19	18	15	32	18
MEAN	16	15	16	16	15	15	17	18	19	18	16	15	14	14	14	14	15	16	16	16	16	16	16	16	15



POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	18	21	16	16	16	16	16	17	17	17	17	16	16	16	16	16	16	16	16	17	17	19	19	17
2	19	19	17	16	16	15	15	15	15	15	14	-	***	17	17	17	17	17	18	18	19	19	18	19	17
3	19	22	19	17	17	18	20	18	18	18	17	17	17	17	17	17	17	17	17	17	18	18	19	18	18
4	18	18	19	20	20	23	28	23	19	19	18	18	19	19	19	20	20	18	19	19	19	21	22	20	20
5	19	18	16	17	17	20	23	22	20	21	20	20	***	22	22	25	22	22	21	21	20	20	19	20	20
6	19	19	18	19	18	19	20	20	20	22	24	20	20	19	20	24	26	26	26	29	21	21	19	19	21
7	20	20	19	18	19	21	24	20	19	19	20	21	21	21	22	22	22	22	23	22	22	22	21	20	21
8	20	19	20	20	20	21	24	24	23	23	23	23	23	25	24	26	27	22	21	21	21	20	19	19	22
9	19	19	34	21	21	26	28	30	30	26	22	20	***	19	18	19	19	18	18	18	17	17	17	17	21
10	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	20	23	22	24	19
11	23	23	27	27	25	30	31	27	24	22	22	22	23	24	24	26	27	25	25	25	25	24	27	28	25
12	26	28	26	24	23	25	27	29	31	28	***	26	25	25	25	24	23	22	22	20	20	19	19	20	24
13	20	19	19	19	20	20	20	20	20	20	20	21	21	21	20	19	20	23	22	22	21	22	18	17	20
14	17	17	16	17	17	17	17	17	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17
15	16	16	16	16	17	18	19	18	18	18	17	17	18	18	18	19	20	18	18	18	18	17	17	18	17
16	16	16	17	16	16	18	20	19	18	***	19	19	19	19	21	22	24	20	19	23	27	20	18	17	19
17	17	17	17	17	17	18	22	24	24	18	20	18	19	20	21	22	21	20	20	20	20	21	21	23	20
18	22	22	22	28	29	29	26	22	20	19	18	21	27	26	28	25	27	26	29	30	31	28	28	27	25
19	27	29	27	25	26	32	36	32	32	***	29	28	28	29	28	24	23	22	23	26	27	31	27	22	28
20	23	22	21	22	23	21	22	23	24	22	25	25	24	20	18	18	17	21	21	20	22	24	23	21	22
21	18	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	18	18	19	19	17	17
22	19	19	19	21	19	19	19	19	18	17	18	18	18	18	18	20	21	21	21	24	25	24	19	20	20
23	18	18	23	25	22	25	27	28	23	20	20	21	21	23	24	26	28	26	26	27	30	21	25	31	24
24	26	23	23	27	31	30	30	30	27	26	21	***	22	22	23	25	30	27	26	25	27	27	19	19	25
25	19	22	22	22	21	32	22	21	18	18	18	19	18	19	19	19	20	21	21	22	25	23	21	24	21
26	28	27	28	22	23	25	32	18	17	18	18	21	21	***	26	31	29	29	29	30	33	31	36	43	27
27	45	53	56	48	39	35	37	38	36	26	25	24	25	24	23	23	25	24	30	28	28	26	27	31	32
28	31	29	30	30	36	38	32	21	21	21	20	19	20	20	20	20	21	22	23	23	24	26	26	25	25
29	25	23	26	24	27	29	34	40	25	25	28	25	23	23	***	23	23	21	20	37	24	20	20	19	25
30	21	23	24	19	18	22	29	28	27	25	24	22	24	20	21	22	22	22	21	23	22	22	23	22	23
31	26	29	21	16	21	27	24	21	20	18	18	21	21	***	17	17	16	16	16	16	18	17	16	16	19
MEAN	22	22	22	21	22	23	24	23	22	20	20	20	21	21	21	21	22	21	21	22	22	22	22	22	21.7

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK														MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	18	17	17	17	17	16	17	17	17	18	19	21	24	23	24	25	24	24	23	21	22	21	22	23	20	
2	25	24	23	24	25	31	33	25	25	24	----	20	19	19	19	19	20	18	19	19	21	20	23	18	22	
3	18	17	17	18	19	18	18	18	17	18	18	18	17	17	17	17	17	17	18	17	18	17	19	19	18	
4	22	19	22	23	22	21	21	22	18	19	18	19	19	18	18	19	19	19	19	19	25	24	19	21	20	
5	23	24	22	17	16	16	16	16	17	16	16	17	16	16	16	17	16	16	16	18	21	23	23	29	18	
6	25	24	22	27	24	27	25	25	22	24	21	20	20	20	20	22	21	20	20	21	21	22	21	20	22	
7	22	22	26	31	33	34	35	34	37	33	27	26	26	-	31	30	29	25	22	20	20	21	22	23	27	
8	28	24	20	21	22	28	26	26	25	18	16	16	17	16	16	16	16	15	16	16	16	16	17	16	19	
9	16	17	16	15	15	15	16	17	16	15	15	16	17	19	17	17	17	17	17	17	17	17	18	21	17	
10	20	23	24	24	28	27	28	22	22	22	21	21	20	20	21	21	20	21	22	22	23	27	26	21	23	
11	22	21	20	20	20	19	20	20	20	21	21	21	20	19	19	19	18	18	18	19	20	23	24	23	20	
12	20	19	21	22	22	24	26	28	26	23	23	22	22	27	20	22	20	19	20	21	17	17	17	17	21	
13	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
14	17	17	17	17	17	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
15	18	17	18	18	18	18	20	19	19	18	18	19	18	22	19	19	19	18	19	19	20	25	26	31	20	
16	29	27	27	26	30	27	28	29	26	22	21	22	23	22	22	23	24	24	22	20	21	22	22	25	24	
17	26	26	25	23	23	24	25	22	21	22	23	23	23	23	23	24	23	22	22	22	20	20	22	23	23	
18	22	20	20	21	19	19	19	19	19	19	18	17	17	17	17	17	17	17	17	17	17	18	19	19	18	
19	18	17	19	19	19	21	23	22	23	19	18	17	18	18	18	17	17	17	17	17	17	18	20	23	19	
20	26	25	25	30	28	24	22	22	19	19	18	18	-	27	25	25	26	24	24	24	24	24	23	25	24	
21	27	32	36	32	30	30	29	37	39	40	39	27	23	21	19	18	18	18	18	18	20	21	22	26	26	
22	21	18	18	17	17	18	19	19	18	18	18	18	18	18	18	18	18	18	18	19	21	23	24	19	19	
23	19	19	18	19	19	20	19	18	18	18	18	18	19	19	19	18	18	18	18	18	19	20	19	19	19	
24	19	19	18	18	19	19	19	19	19	19	19	20	22	22	20	20	20	20	20	22	24	25	25	29	21	
25	32	29	28	28	31	34	30	27	25	23	23	22	20	21	21	21	21	21	22	22	23	23	23	23	25	
26	22	23	24	27	27	27	27	27	28	25	23	22	24	22	22	23	24	21	22	22	21	18	19	19	23	
27	21	21	21	21	20	22	23	22	20	21	24	25	26	22	18	18	18	18	19	17	18	16	18	17	20	
28	17	18	17	18	18	19	19	19	19	18	18	18	18	18	18	18	19	19	18	18	19	20	19	18	18	
29	22	21	20	19	18	19	19	19	19	18	18	19	19	18	19	19	19	19	19	19	19	18	19	19	18	
30	20	18	18	18	18	18	18	18	19	18	18	18	18	18	18	18	19	18	18	18	18	17	18	18	18	
MEAN	22	21	21	22	22	22	22	22	22	21	20	20	20	20	20	20	20	19	19	19	20	21	21	21	20.6	

POLLUTANT - TOTAL HYDROCARBONS																UNITS - 0.1 PARTS/MILLION									
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK																MONTH - JUL 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	18	19	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	20	22	21	22	27	23	20
2	21	19	18	17	18	19	19	18	18	18	18	18	18	18	18	18	18	18	19	20	19	19	18	18	19
3	18	18	18	17	17	18	18	18	18	19	19	19	20	21	22	20	21	21	20	20	19	19	19	18	19
4	18	17	17	17	18	19	22	22	19	19	19	20	23	21	21	21	19	18	18	19	19	20	26	34	20
5	25	23	27	26	29	22	30	40	26	21	21	22	20	19	19	20	21	19	19	20	22	21	22	22	23
6	21	19	19	19	20	21	22	20	19	20	20	20	19	19	21	22	22	22	19	19	19	20	20	20	20
7	19	19	28	27	27	29	30	28	27	25	25	23	22	21	21	22	21	21	22	22	22	21	22	20	24
8	22	22	20	20	21	23	19	19	19	20	20	19	18	17	17	17	16	16	16	16	16	17	16	17	18
9	17	17	17	18	19	17	18	17	17	17	17	18	19	19	18	18	18	18	19	20	18	18	17	17	18
10	17	17	17	17	17	16	17	17	16	16	16	16	17	17	16	17	17	17	17	18	19	20	19	17	17
11	17	17	17	18	18	18	18	17	17	17	17	17	17	17	19	18	17	17	17	17	19	25	23	22	18
12	23	18	17	18	21	20	21	18	19	19	21	16	21	21	21	21	19	19	21	27	26	27	27	21	21
13	29	25	24	24	22	23	24	23	22	22	22	21	22	21	22	23	21	19	19	22	26	23	22	22	23
14	22	21	18	19	22	22	19	20	21	19	18	23	23	22	22	23	22	20	21	18	19	20	20	22	21
15	22	25	24	26	23	24	22	19	22	22	21	20	20	20	20	21	18	17	17	18	18	18	17	17	21
16	17	17	17	17	17	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
17	18	18	18	17	17	17	21	19	17	17	17	17	18	18	17	22	21	18	17	18	20	21	22	24	19
18	25	21	22	21	22	23	28	31	22	20	23	22	22	22	22	23	21	21	20	19	20	22	21	21	22
19	22	25	25	23	22	27	31	30	27	25	24	23	22	22	21	20	19	19	18	23	28	29	24	24	24
20	23	23	25	24	27	28	31	27	28	28	27	25	23	23	25	26	23	24	25	20	23	20	20	21	25
21	21	21	21	23	28	24	21	26	24	26	25	23	23	22	19	21	19	18	18	20	20	20	20	22	22
22	24	27	27	23	23	24	21	19	21	25	23	23	21	22	22	21	18	17	19	18	22	23	23	22	22
23	22	19	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
24	18	18	19	20	22	25	24	23	21	23	21	21	20	20	21	23	23	24	21	24	28	24	23	23	22
25	25	29	27	24	64	42	26	22	20	18	21	19	21	21	22	23	24	23	22	22	26	27	25	23	26
26	22	22	22	22	22	26	28	26	22	20	20	20	22	22	24	25	24	22	20	18	18	20	19	20	22
27	19	18	18	19	19	22	21	21	20	19	19	19	20	19	20	21	20	21	22	25	24	20	19	18	17
28	18	19	18	20	21	21	20	19	18	18	18	18	18	18	17	17	17	17	18	26	29	24	22	24	20
29	19	19	24	23	21	20	19	19	18	18	19	19	19	17	17	17	16	16	16	16	15	15	15	15	18
30	16	15	15	15	15	15	16	16	16	16	16	16	16	17	18	18	18	18	19	19	19	19	21	20	17
31	21	21	22	21	18	20	21	19	18	17	18	18	18	18	19	22	25	22	24	26	27	24	25	25	21
MEAN	21	20	21	20	22	22	22	22	20	20	20	20	20	20	20	20	20	19	20	20	21	21	21	21	20.5

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	29	24	27	29	28	38	34	32	27	24	23	21	21	22	22	24	25	22	24	28	25	23	22	23	26
2	26	24	24	26	76	27	35	37	28	25	24	22	22	24	23	23	24	23	26	28	25	22	22	21	27
3	22	22	18	19	20	18	20	20	19	19	19	19	19	19	19	19	18	20	27	19	18	17	17	16	19
4	17	17	17	17	18	20	18	19	18	18	17	17	20	21	22	22	22	19	17	18	23	22	21	23	19
5	27	27	29	42	46	36	32	25	26	24	20	21	19	19	19	19	20	21	25	27	26	23	22	24	26
6	22	23	26	27	27	26	26	22	20	19	18	20	22	21	20	19	20	19	20	22	24	28	28	30	23
7	30	27	26	68	37	21	21	21	22	22	19	19	19	20	19	20	20	21	21	21	22	22	23	27	25
8	28	30	29	33	27	26	27	28	30	25	21	22	22	23	22	21	20	21	22	21	20	19	19	19	21
9	19	19	18	18	19	22	23	24	24	24	21	22	23	21	21	21	19	19	18	19	19	21	21	19	21
10	18	18	19	22	21	24	22	22	24	26	20	20	21	22	24	23	23	22	26	28	29	32	34	31	24
11	29	26	23	22	23	23	24	27	26	22	21	20	20	20	21	23	23	22	25	28	28	27	31	34	25
12	42	31	29	32	25	24	23	22	19	18	18	18	21	22	21	21	21	20	26	25	26	25	24	23	24
13	23	22	23	26	28	28	25	20	19	21	22	23	22	21	21	21	21	22	23	19	21	23	23	22	22
14	22	25	29	29	24	26	29	24	22	23	24	24	22	22	22	23	24	22	28	32	25	25	29	32	25
15	35	32	27	26	28	35	38	37	29	26	23	23	22	23	24	25	20	20	21	24	30	27	24	23	27
16	22	21	22	24	21	23	24	25	24	23	23	23	22	22	22	22	20	18	20	21	18	18	18	18	21
17	17	18	18	18	17	18	20	19	18	18	18	18	18	18	18	18	17	19	21	21	21	22	22	19	19
18	28	30	26	22	28	27	24	24	25	25	23	22	23	23	23	24	25	24	31	28	23	22	22	22	25
19	22	21	21	23	24	25	26	23	24	25	23	22	21	21	21	21	18	18	18	17	17	17	17	17	21
20	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	18	18
21	20	22	22	21	24	23	22	21	22	23	****	23	22	22	23	24	24	23	27	26	24	27	29	34	24
22	37	38	37	32	31	42	38	34	27	24	23	22	23	23	23	25	26	24	26	25	26	34	37	40	30
23	33	31	29	26	26	26	26	26	23	24	26	24	23	23	24	26	27	25	24	24	27	29	27	26	26
24	27	27	24	22	25	26	29	30	31	28	24	26	27	29	32	27	23	20	20	20	21	19	21	18	25
25	18	18	18	18	19	19	20	21	21	22	19	19	19	18	18	19	19	19	18	20	24	32	21	20	20
26	21	22	23	19	19	20	21	20	19	18	18	18	17	18	21	21	21	21	22	21	20	19	20	20	20
27	20	19	20	20	19	23	23	21	19	19	18	18	18	18	18	18	18	18	18	18	18	17	17	17	19
28	17	17	17	17	18	23	27	27	25	26	21	19	19	19	19	19	21	22	22	21	21	17	17	17	20
29	16	17	16	17	18	19	25	24	27	23	23	19	17	-	18	18	17	17	17	19	21	22	24	22	20
30	20	21	30	34	35	35	40	38	31	23	21	18	21	21	21	23	24	23	26	25	20	18	18	17	25
31	17	17	17	17	17	17	20	20	19	19	18	18	18	17	17	17	17	17	17	20	25	30	27	34	20
MEAN	24	23	23	25	26	25	26	25	23	22	21	21	21	21	21	21	21	21	22	23	23	23	23	24	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION																									
STATION - C NO 34007													BATHURST/WILSON, NORTH YORK													MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN													
1	32	27	26	23	19	19	20	21	19	17	18	20	18	19	23	24	24	22	23	26	25	24	25	23	22													
2	22	23	24	24	23	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****													
3																																						
4																																						
5																																						
6																																						
7	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****													
8	13	13	15	16	16	16	17	18	17	16	16	15	16	21	18	20	19	16	14	16	18	18	16	15	16													
9	13	15	15	14	12	12	12	13	13	13	13	14	13	13	14	15	15	16	17	19	20	20	15	15	15													
10	16	15	14	13	13	14	14	15	16	16	18	18	18	18	19	19	19	21	19	21	23	23	22	22	18													
11	23	25	26	31	30	27	36	52	44	31	27	23	27	24	20	21	19	19	19	22	22	23	25	19	26													
12	20	22	22	18	17	28	19	21	20	20	19	19	20	****	21	18	18	20	20	19	19	18	18	17	20													
13	18	17	17	17	17	19	23	23	21	19	18	18	18	18	19	21	20	18	19	18	18	17	17	19	19													
14	17	17	17	17	17	22	26	24	23	23	22	22	22	23	24	28	31	26	23	21	19	19	20	20	22													
15	20	22	21	18	20	20	27	25	23	20	20	20	19	****	19	18	19	20	23	21	20	18	18	20	20													
16	19	19	19	18	18	19	18	20	18	18	17	17	17	17	17	17	17	17	17	18	18	18	19	20	18													
17	19	22	25	22	19	20	19	22	19	19	21	22	21	22	20	20	20	20	20	19	18	18	19	20	18													
18	17	19	21	18	19	21	25	26	24	22	23	21	21	22	24	23	26	21	19	18	18	18	18	21	20													
19	19	17	18	18	18	19	21	22	21	21	22	23	24	23	24	24	25	24	24	24	26	25	24	21	22													
20	22	22	20	20	25	27	31	31	29	28	26	26	26	27	27	31	32	29	29	28	29	25	29	34	27													
21	37	42	39	36	31	27	34	35	26	19	19	19	19	19	18	18	19	19	20	19	18	19	20	18	25													
22	19	18	18	18	19	20	21	20	19	19	19	19	19	19	19	19	19	19	22	22	20	20	20	21	19													
23	21	24	21	21	22	21	22	23	24	21	22	22	21	21	21	22	22	23	25	25	26	27	29	36	23													
24	41	38	33	29	28	28	29	28	22	24	20	18	19	18	18	18	18	19	20	20	21	22	21	19	24													
25	17	19	18	18	18	18	19	18	18	18	18	18	18	19	19	20	20	19	20	20	19	20	21	19	24													
26	19	23	21	19	19	23	34	33	26	21	24	22	22	****	22	23	23	23	24	21	24	22	22	21	23													
27	19	24	22	22	22	23	27	32	28	25	22	24	24	23	24	27	29	22	22	21	18	17	17	17	23													
28	18	17	17	17	17	18	20	19	18	18	18	18	18	17	18	18	19	18	19	22	23	24	28	30	20													
29	38	41	27	28	39	37	43	38	36	29	27	25	24	22	24	25	25	23	23	21	20	20	21	22	28													
30	24	25	27	26	25	26	28	30	22	21	22	22	22	21	21	22	23	26	25	21	23	20	19	19	23													
MEAN	22	23	22	21	21	22	24	25	23	21	20	20	20	20	20	21	22	21	21	21	21	20	21	21	21.3													

PERCENTAGE OF DATA VALID - 81.9

PERCENTAGE OF DATA INVALID - 18.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION													
STATION - C NO 34007													BATHURST/WILSON, NORTH YORK													
MONTH - OCT													78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	20	19	19	19	19	20	19	19	19	17	18	18	18	18	18	18	18	18	19	20	19	19	20	20	19	
2	19	21	23	22	22	24	23	21	18	18	18	18	18	17	19	22	25	27	25	26	26	29	30	43	23	
3	32	36	36	34	31	25	24	23	22	22	***	23	22	22	21	22	24	21	19	19	19	20	21	20	24	
4	19	17	17	17	18	22	28	28	23	20	21	19	22	21	22	23	22	25	27	32	31	23	21	19	22	
5	22	25	25	23	24	27	31	37	26	22	22	21	21	22	26	25	24	22	21	19	19	17	20	21	23	
6	21	21	18	18	21	20	23	25	24	21	21	23	23	19	19	19	19	21	19	18	17	17	16	20		
7	17	17	16	16	16	17	17	17	16	17	17	17	17	18	18	17	18	18	18	18	17	17	19	18	17	
8	19	18	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	19	21	20	20	21	20	18	
9	20	23	21	21	25	26	28	25	22	22	21	20	19	19	19	19	19	21	22	21	21	22	21	20	22	
10	19	19	19	19	19	20	24	25	25	23	21	21	21	21	20	20	21	23	29	30	27	21	21	22	22	
11	24	29	28	31	29	37	39	41	43	40	29	25	24	23	23	25	25	30	31	29	24	22	19	19	29	
12	18	19	18	19	19	22	28	29	24	20	19	19	19	21	21	21	21	24	21	21	21	22	22	26	21	
13	26	31	27	24	23	23	25	24	22	21	20	20	20	20	20	20	20	20	21	21	20	20	20	19	22	
14	19	19	19	19	19	19	19	20	20	20	20	21	19	20	19	19	20	20	21	20	20	20	23	32	20	
15	24	23	20	21	20	21	20	19	19	19	19	20	20	22	23	23	24	24	25	24	26	24	23	21	22	
16	19	19	19	19	19	21	39	24	23	21	20	21	22	22	22	25	26	26	27	28	27	27	27	27	24	
17	26	25	23	23	23	23	27	29	33	32	25	23	25	25	25	27	27	27	28	28	27	27	29	26	26	
18	24	26	31	30	26	29	32	31	29	27	25	27	29	27	25	24	25	24	25	24	25	24	25	27	26	
19	24	23	21	20	20	22	25	32	34	26	21	21	21	22	26	33	36	30	44	27	25	22	21	19	26	
20	21	23	21	21	24	26	31	37	29	25	****	21	21	23	23	24	25	26	29	34	30	27	23	25	23	26
21	21	22	21	21	21	22	23	28	29	26	26	25	23	24	24	25	23	22	20	20	21	23	25	****	23	
22	- DATA INVALID -																									
23	***	***	***	***	***	***	***	***	***	***	***	***	19	18	18	18	19	19	19	19	19	19	23	24	23	****
24	27	28	26	29	29	28	38	41	29	24	21	22	22	22	22	23	23	22	21	21	22	21	21	21	25	
25	21	21	22	22	22	25	31	28	24	25	24	22	23	23	23	26	26	21	20	20	20	20	19	19	23	
26	19	19	19	20	21	20	19	19	19	20	21	20	19	19	19	20	20	21	21	19	21	23	20	20	20	
27	19	19	18	19	20	21	26	25	***	22	21	21	25	26	26	28	24	23	27	23	22	21	25	21	23	
28	21	21	23	22	23	22	26	26	21	20	19	18	19	19	19	20	21	21	22	21	20	21	21	21	21	
29	22	23	24	24	21	21	21	21	21	21	22	22	22	22	22	22	23	25	26	28	29	31	29	29	24	
30	26	26	26	22	20	20	24	29	27	25	24	24	23	24	24	27	30	35	38	38	35	27	28	27	27	
31	28	24	23	22	24	25	26	35	34	32	27	25	21	21	21	21	19	21	20	19	19	20	20	22	24	
MEAN	22	23	22	22	22	23	26	27	25	23	21	21	21	21	21	22	23	23	23	24	24	23	22	23	23	22



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	22	20	20	20	21	22	26	27	25	22	26	25	24	24	26	27	31	28	32	30	27	23	24	25
2	22	21	21	21	21	24	25	27	26	25	23	23	22	22	21	21	22	24	24	28	26	23	26	28	24
3	26	30	29	28	31	38	45	44	45	36	32	25	27	30	31	32	35	35	34	33	40	42	45	39	35
4	38	39	43	40	35	34	37	42	45	39	34	32	31	29	30	30	32	32	33	41	45	44	42	44	37
5	38	39	44	41	40	38	35	32	32	33	29	27	26	25	25	25	26	30	32	31	30	26	24	25	31
6	22	21	21	21	21	21	24	31	23	21	21	21	19	19	19	21	19	23	21	19	21	22	23	21	21
7	18	19	18	19	19	20	20	19	20	19	18	***	18	18	18	19	19	21	23	19	20	18	24	22	19
8	25	33	35	26	27	25	35	37	36	29	28	22	23	21	22	22	25	27	26	24	23	21	20	20	26
9	22	18	18	18	18	19	22	28	24	21	20	21	19	21	24	25	22	31	35	34	31	27	35	29	24
10	27	22	24	26	26	23	23	33	36	27	24	24	***	25	26	25	27	26	24	24	24	24	25	25	26
11	25	27	26	26	26	28	26	24	23	22	23	22	23	22	22	21	22	22	22	19	18	18	18	18	23
12	17	17	18	18	18	18	18	18	18	18	19	19	19	20	21	21	21	20	21	21	21	20	20	19	19
13	19	18	18	18	18	18	20	24	28	23	23	24	22	23	24	26	29	29	27	24	23	23	23	23	23
14	23	23	23	24	23	22	21	21	23	22	19	19	17	19	18	18	19	19	19	18	19	19	18	18	20
15	18	18	18	18	18	19	19	21	23	22	19	19	18	18	18	19	20	24	27	27	26	28	37	42	22
16	41	36	27	21	20	19	20	28	30	21	21	21	21	21	21	22	25	29	27	26	27	32	25	20	25
17	19	18	18	18	18	18	20	24	24	22	22	22	21	23	23	24	24	26	21	20	19	19	18	18	21
18	17	18	17	17	17	17	17	18	18	18	18	18	17	18	18	18	19	20	20	19	21	19	19	19	18
19	20	19	18	18	18	19	19	18	18	18	18	18	17	18	18	18	19	19	19	18	20	19	19	19	19
20	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	20	20	19	19	19	19	19	19	19
21	17	19	19	19	18	18	19	19	21	19	19	20	20	***	21	21	27	28	26	26	28	27	27	27	22
22	25	24	28	24	22	22	25	27	33	34	20	21	21	21	21	22	27	25	21	22	21	20	20	20	24
23	18	19	19	18	18	19	21	25	25	24	23	24	24	23	23	24	25	23	21	21	20	20	19	22	20
24	19	19	20	19	19	19	20	23	23	22	22	22	19	19	18	***	23	23	22	20	19	19	18	18	20
25	19	19	18	18	18	18	18	18	19	19	19	19	19	19	19	20	20	21	22	22	22	20	20	20	20
26	21	20	20	20	20	19	20	21	21	21	20	20	20	20	20	20	22	22	21	21	21	21	21	21	20
27	20	20	20	20	19	19	21	23	25	23	23	23	22	21	21	23	25	23	22	22	22	21	20	19	22
28	19	19	20	19	19	19	21	25	26	25	26	27	22	24	27	26	25	27	23	22	22	22	22	22	23
29	22	21	21	21	21	22	25	30	29	30	26	24	23	24	24	24	26	25	23	23	23	22	21	20	24
30	20	20	19	19	19	19	19	21	23	20	19	19	19	19	19	19	20	21	21	22	21	21	21	21	20
MEAN	23	23	23	22	22	22	23	26	26	24	22	22	21	22	22	22	24	25	24	24	24	23	24	23	23.1

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS																UNITS - 0.1 PARTS/MILLION									
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK																MONTH - DEC 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	20	20	20	20	20	22	23	25	23	24	26	25	27	31	32	28	27	24	23	23	21	21	21	24
2	19	19	19	19	19	21	22	24	24	23	22	20	20	20	20	20	21	21	21	23	23	22	23	22	21
3	24	23	24	23	22	22	20	20	20	21	21	21	21	21	22	23	24	24	23	24	24	24	24	24	22
4	20	21	23	22	19	18	21	23	24	22	21	20	20	20	20	20	21	21	20	19	19	19	19	19	20
5	18	18	18	18	18	18	19	20	22	21	21	21	21	21	***	22	24	25	23	23	22	21	20	21	21
6	21	22	21	21	22	22	24	29	29	26	24	23	22	22	22	24	24	25	24	23	21	21	21	22	23
7	21	21	21	21	21	21	23	27	30	27	27	26	26	24	24	23	25	25	23	23	23	23	25	25	24
8	25	26	27	25	29	29	30	30	28	25	25	22	***	23	25	26	26	26	25	25	25	24	23	23	26
9	22	22	22	22	23	22	23	24	24	24	22	21	23	22	22	22	23	23	24	23	23	23	23	23	23
10	22	22	21	21	21	21	21	21	22	22	21	21	21	21	21	22	22	22	22	22	22	21	21	22	21
11	22	22	22	22	23	24	25	27	28	26	24	25	24	24	24	26	29	32	29	28	27	28	27	25	26
12	24	23	23	23	23	22	23	24	25	24	22	23	***	23	22	23	24	25	23	22	21	20	21	21	23
13	20	20	20	20	20	18	19	21	21	20	20	20	19	19	18	18	18	19	19	18	18	17	17	17	19
14	17	17	17	17	17	17	18	19	22	24	21	19	20	19	20	22	23	22	21	19	19	18	18	18	19
15	18	18	18	18	18	19	21	21	21	20	20	19	19	20	20	21	25	25	25	23	22	23	22	21	21
16	20	20	22	22	22	23	25	27	27	26	26	25	25	25	25	24	24	25	26	27	26	23	22	21	24
17	20	21	21	21	18	17	17	17	18	18	18	18	17	17	18	18	18	18	19	19	20	20	21	22	21
18	20	20	20	20	21	21	21	24	28	27	25	22	20	19	18	19	19	20	20	21	20	20	21	22	21
19	22	21	21	22	21	20	22	23	23	22	22	21	20	19	19	20	21	22	22	23	21	21	20	20	21
20	20	20	21	21	22	21	22	23	25	26	25	24	21	22	23	22	22	22	22	22	22	21	21	20	21
21	21	20	20	18	18	18	17	17	17	18	18	***	18	18	18	18	18	19	22	22	20	20	21	19	19
22	21	20	20	19	19	20	21	22	27	27	26	23	22	22	23	23	20	19	20	20	20	18	18	18	21
23	19	19	18	18	18	19	19	19	19	20	20	20	19	19	20	21	22	23	25	28	31	32	34	22	
24	36	38	37	37	31	21	20	20	20	21	20	21	21	21	22	22	23	23	21	20	19	19	20	20	24
25	19	19	19	18	19	18	19	19	20	21	20	20	18	17	18	18	18	18	18	18	18	18	18	18	19
26	19	19	19	19	18	18	18	18	19	18	19	19	19	19	19	19	19	20	20	20	20	20	20	20	19
27	19	19	20	19	19	19	19	20	21	21	20	21	21	20	***	***	20	20	20	21	21	21	21	21	20
28	22	21	20	19	20	21	24	27	25	21	19	20	20	20	20	20	21	23	25	23	23	22	25	25	22
29	28	22	21	20	20	21	22	25	26	24	25	27	25	25	24	25	24	25	24	26	23	23	23	22	24
30	22	21	21	20	20	20	21	22	22	21	22	22	23	22	23	24	26	27	27	26	27	25	27	30	23
31	28	29	26	25	26	34	29	28	28	29	32	30	28	26	24	24	26	25	26	24	24	25	24	24	27
MEAN	22	21	21	21	21	21	21	23	24	23	22	22	21	21	22	22	23	23	23	23	22	22	22	22	21.9



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	19.1	27	40
FEB	28	15.8	23	32
MAR	22	18.4	28	55
APR	30	19.3	25	38
MAY	31	21.7	32	56
JUN	30	20.6	27	40
JUL	31	20.5	26	64
AUG	31	22.9	30	76
SEP	24	21.3	28	52
OCT	29	22.8	29	44
NOV	30	23.1	37	45
DEC	31	21.9	27	38
YEAR	347	20.7	37	76

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141 - 200	201 & OVER	TOTAL
JAN	0	443	260	13	0	0	0	0	716
FEB	14	563	83	4	0	0	0	0	664
MAR	13	369	151	15	0	0	0	0	548
APR	0	473	239	8	0	0	0	0	720
MAY	0	296	402	35	0	0	0	0	733
JUN	0	371	325	21	0	0	0	0	717
JUL	0	353	383	6	1	0	0	0	743
AUG	0	213	476	51	2	0	0	0	742
SEP	0	258	299	33	0	0	0	0	590
OCT	0	170	491	44	0	0	0	0	705
NOV	0	216	428	72	0	0	0	0	716
DEC	0	161	563	14	0	0	0	0	738
YEAR	27	3886	4100	316	3	0	0	0	8332

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.1	9	15.2	17.6	19.4	21.7	26.1	28.8	33.6	37.2	76	20.7

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION										
		STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - JAN 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	23	23	23	23	23	23	23	23	23	22	22	22	23	23	23	23	23	22	23	24	24	28	27	23	23
2	22	21	21	21	21	21	21	21	21	21	21	20	20	21	21	21	22	22	23	23	24	24	23	24	24	22
3	25	25	25	25	25	25	25	25	24	23	22	21	22	22	22	21	22	22	23	23	22	22	22	22	21	22
4	24	23	23	23	23	23	24	60	28	34	30	28	24	23	26	22	23	23	26	27	27	31	28	34	35	35
5	23	26	30	25	34	60	28	34	30	28	24	23	26	22	23	23	26	27	27	31	28	34	35	35	29	
6	40	26	22	20	20	20	22	23	22	22	22	21	22	21	***	21	21	22	21	22	22	21	20	21	22	
7	22	22	22	22	21	22	21	22	22	22	23	23	25	24	24	24	25	24	24	25	24	24	24	24	29	
8	43	48	26	22	21	21	20	20	20	21	21	22	22	23	24	23	22	21	22	21	21	22	19	19	23	
9	19	19	19	19	19	20	20	20	20	21	19	20	19	21	21	21	21	22	21	22	21	21	21	21	21	
10	21	22	22	21	21	21	21	21	21	21	20	20	19	20	20	20	20	20	21	21	21	21	21	21	20	
11	21	21	20	21	19	19	20	***	21	20	20	20	20	21	19	19	19	19	19	20	21	21	20	20	20	
12	21	21	21	21	21	21	21	21	21	21	21	21	22	24	22	***	***	***	***	***	***	34	27	38	29	
13	33	50	28	26	29	31	68	90	48	29	26	27	29	29	27	26	25	25	25	25	25	25	26	26	33	
14	25	24	24	24	24	24	25	25	25	25	29	28	27	28	28	30	35	36	34	33	35	36	33	32	29	
15	34	37	39	37	32	27	26	26	27	27	27	26	25	24	24	24	24	24	24	25	25	25	27	29	25	
16	27	26	25	23	24	25	25	24	26	26	26	25	24	23	23	23	23	23	23	24	24	25	27	29	32	
17	50	32	32	44	48	35	39	39	43	34	30	28	41	27	25	25	26	25	25	25	25	24	24	23	32	
18	23	23	23	23	23	22	22	22	58	59	63	66	36	27	28	27	31	35	36	29	28	28	27	29	33	
19	37	38	31	27	58	28	63	47	38	41	41	48	49	34	38	25	25	26	26	27	26	25	25	24	35	
20	24	23	23	22	23	23	24	24	24	24	24	23	24	24	24	23	23	23	23	23	23	22	22	26	29	
21	26	26	27	29	32	34	34	31	32	32	27	25	22	25	26	25	22	26	26	33	33	28	28	26	28	
22	25	24	24	23	23	23	22	23	22	22	23	23	22	22	22	22	22	22	22	23	23	22	22	22	23	
23	23	23	24	24	23	23	23	24	25	25	24	23	22	22	22	22	22	22	22	23	25	23	23	23	23	
24	24	24	24	25	24	24	24	26	26	26	25	24	23	22	25	26	26	25	24	25	25	23	23	23	24	
25	24	24	24	25	27	28	28	78	61	41	41	30	27	25	27	29	29	29	28	23	22	20	19	19	30	
26	19	19	20	21	20	19	19	22	22	20	20	20	20	22	22	22	23	23	23	24	24	23	22	21	21	
27	21	21	21	21	21	21	22	22	22	22	22	22	22	22	20	20	20	21	21	21	21	21	21	21	21	
28	22	21	21	21	21	21	21	21	22	23	23	22	21	21	21	21	21	21	21	22	24	24	23	25	26	
29	29	28	25	25	25	25	25	25	26	26	26	24	24	23	22	22	22	22	22	22	22	23	23	23	24	
30	24	24	24	27	30	30	28	30	33	35	30	25	22	26	***	20	26	25	22	21	21	21	21	21	21	
31	21	21	22	22	22	23	24	24	24	24	24	24	24	23	23	23	23	24	24	24	24	23	22	23	22	
MEAN	26	26	24	24	26	25	28	29	28	27	26	25	25	25	24	24	23	24	24	24	24	24	24	24	25	

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS															UNITS - 0.1 PARTS/MILLION																			
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE															MONTH - FEB 78																			
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	22	23	23	22	23	23	24	24	24	23	23	23	22	22	22	22	23	23	23	23	23	24	23	23	23									
2	22	22	22	21	22	23	23	25	29	28	25	24	23	22	22	22	22	23	23	24	24	23	24	25	23									
3	32	33	31	27	30	33	35	32	35	34	27	22	18	18	18	19	21	24	26	27	28	30	27	33	28									
4	32	34	30	35	31	38	38	37	33	29	28	29	23	28	32	23	21	22	21	41	65	59	43	40	34									
5	43	56	48	38	49	43	31	23	20	19	19	18	18	18	17	16	17	17	17	18	18	19	19	18	26									
6	18	18	18	18	19	24	22	22	22	22	21	24	28	26	23	26	29	27	26	29	30	30	29	28	24									
7	32	33	35	32	30	26	24	27	27	28	29	28	27	26	26	23	24	24	26	26	27	27	24	24	27									
8	27	30	28	26	25	26	26	28	31	30	25	22	21	21	20	21	26	26	29	31	23	23	31	36	26									
9	33	28	35	54	49	39	34	35	38	38	35	31	27	31	21	18	19	19	19	20	21	21	21	21	29									
10	21	21	20	21	20	20	23	37	29	30	31	24	21	20	19	18	20	21	20	21	21	21	21	21	23									
11	23	24	23	24	23	23	24	23	24	23	23	22	21	20	20	21	21	21	21	21	22	22	22	22	22									
12	21	21	21	21	21	21	22	22	22	22	22	22	21	21	21	21	21	21	21	21	21	21	21	25	21									
13	34	25	33	29	23	22	22	23	23	22	22	21	21	21	20	20	20	21	23	25	24	38	37	37	25									
14	48	28	36	41	31	33	34	34	34	34	30	27	26	25	25	26	25	25	23	24	24	27	26	27	30									
15	29	27	24	24	23	23	24	33	32	27	22	21	21	20	20	20	21	22	24	24	23	23	23	24	24									
16	24	24	25	25	24	23	23	24	25	23	22	22	21	21	20	20	20	20	20	21	22	23	22	21	22									
17	21	22	22	22	21	22	22	24	24	23	22	21	20	20	21	21	21	21	21	22	21	23	24	23	22									
18	69	48	35	27	26	25	25	24	25	25	24	22	21	20	20	20	21	21	22	24	23	25	24	23	22									
19	22	24	30	25	24	24	24	24	24	24	23	21	20	19	20	19	19	19	19	20	20	22	22	21	22									
20	22	22	24	28	24	26	28	32	36	33	29	25	22	20	20	20	19	19	20	23	24	28	34	33	25									
21	40	34	32	25	25	35	26	27	36	35	29	25	25	26	25	25	29	31	33	33	31	26	32	31	30									
22	27	24	23	24	24	24	25	26	25	23	22	22	21	21	21	21	21	21	21	21	22	22	22	21	23									
23	21	22	22	22	22	22	23	24	25	25	24	22	21	20	20	20	20	20	20	20	21	21	21	21	22									
24	23	23	23	23	23	23	23	23	23	22	21	20	18	18	18	18	19	19	20	19	19	18	18	18	21									
25	19	21	21	23	22	23	23	21	24	20	20	20	19	19	19	19	21	22	24	23	25	25	23	22	21									
26	27	32	32	37	22	21	21	28	21	21	21	20	19	19	19	19	19	19	20	21	21	22	23	23	22									
27	21	22	22	22	22	23	23	25	30	26	22	20	19	19	19	19	19	19	19	21	22	23	23	25	27									
28	22	23	23	24	25	34	27	***	29	25	23	21	20	19	19	19	19	19	19	21	22	23	23	25	27									
MEAN	28	27	27	27	26	27	26	27	28	26	24	23	22	21	21	21	21	22	22	24	25	25	25	26	24.6									
PERCENTAGE OF DATA VALID - 99.9															PERCENTAGE OF DATA INVALID - 0.1										PERCENTAGE OF DATA UNAVAILABLE - 0.0									

## UNITS - 0.1 PARTS/MILLION

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*-\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.1 PARTS/MILLION

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*-\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	22	23	23	23	22	28	24	23	23	22	22	20	20	****	28	23	22	23	22	25	23	21	22	23
2	25	23	24	23	26	29	27	25	23	24	23	24	22	21	21	21	20	22	23	25	22	22	21	22	23
3	22	23	23	34	27	29	27	27	25	24	21	22	26	23	22	23	22	22	23	31	28	29	29	41	26
4	47	33	34	32	31	47	45	29	25	24	22	21	20	21	21	20	20	20	21	21	22	23	23	22	27
5	22	22	22	22	22	23	24	25	25	25	24	24	26	24	23	25	25	25	25	26	25	22	23	25	24
6	24	24	24	23	24	24	24	24	24	25	24	27	27	26	26	27	27	27	26	27	27	36	28	37	26
7	28	30	27	29	34	31	32	29	27	25	24	23	23	23	23	24	23	23	24	25	25	25	25	25	26
8	25	25	25	25	25	25	26	27	27	27	27	27	27	27	26	26	26	26	26	24	24	25	26	25	26
9	26	26	29	27	28	28	29	26	29	25	22	22	21	22	22	22	22	21	21	21	21	22	23	23	24
10	23	24	23	23	23	24	24	25	25	25	25	23	23	23	23	23	22	22	22	22	24	25	26	25	24
11	27	28	28	28	29	35	41	33	29	27	26	26	26	27	26	27	26	25	26	29	30	27	30	33	29
12	35	32	29	30	27	27	****	29	32	27	27	26	26	24	26	26	26	22	21	21	21	21	21	22	26
13	21	22	22	22	22	22	21	21	22	21	21	21	22	23	23	20	20	21	22	22	21	21	20	19	21
14	19	19	19	19	19	20	20	21	21	22	22	21	21	21	20	20	20	20	20	20	19	19	19	21	20
15	20	21	21	20	21	20	22	22	21	20	20	21	19	20	20	21	21	21	21	20	21	20	20	20	21
16	20	20	21	21	21	21	21	21	21	21	21	20	21	19	20	20	20	21	21	22	24	27	29	28	22
17	36	36	36	38	37	35	36	28	25	23	22	21	19	19	19	19	21	20	21	22	23	38	96	30	30
18	42	35	29	28	28	29	29	28	25	28	24	25	27	28	29	30	27	26	26	33	36	34	31	36	30
19	39	39	35	32	31	35	33	31	28	27	31	29	26	****	24	21	20	19	21	22	27	26	27	27	28
20	28	26	26	25	25	25	26	27	26	26	23	22	22	22	23	24	22	23	25	26	26	25	24	25	25
21	28	26	25	23	23	24	24	24	23	24	25	25	24	23	23	24	24	25	24	28	25	29	26	26	25
22	27	24	25	27	26	27	25	25	27	29	27	25	23	23	26	25	26	27	27	33	38	52	49	55	30
23	33	30	29	42	54	54	41	39	35	29	27	26	27	****	****	24	23	23	25	29	27	28	46	36	33
24	47	52	44	48	48	39	39	43	36	32	30	26	23	22	23	25	22	23	25	30	41	34	39	37	35
25	47	41	30	27	27	27	29	27	25	24	24	25	23	23	23	25	24	25	27	31	31	31	28	28	28
26	36	33	28	28	29	30	30	32	29	23	22	21	18	18	20	22	21	19	22	25	36	40	117	42	31
27	38	47	37	33	33	31	32	37	36	27	24	24	23	23	22	23	24	25	23	25	26	26	28	33	29
28	45	46	35	33	31	31	34	33	30	29	27	26	26	22	21	22	19	22	27	25	26	26	30	31	29
29	29	31	32	39	39	38	****	35	34	35	35	33	29	23	24	20	19	20	24	25	25	26	27	31	29
30	31	36	40	35	34	41	42	38	34	34	30	27	26	25	26	24	23	23	25	26	26	26	26	31	30
31	35	36	35	30	27	26	****	21	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	23
MEAN	31	30	28	29	29	30	30	28	27	26	25	24	23	23	23	23	22	23	23	25	26	27	30	31	26.5

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																									
POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	23	25	26	27	25	25	24	23	22	21	23	24	25	25	23	24	24	23	25	27	28	28	27	25
2	31	26	25	26	28	33	38	***	21	20	19	19	19	19	19	19	19	19	19	19	19	21	22	22	23
3	25	28	34	37	35	32	31	26	23	21	20	19	19	20	20	20	20	20	20	24	27	25	25	44	26
4	70	29	27	25	24	22	24	27	23	22	21	21	20	20	20	21	21	22	23	20	22	24	22	24	25
5	28	22	22	21	21	21	21	22	21	21	20	20	21	21	21	21	21	21	21	23	24	32	27	27	23
6	28	29	26	26	26	26	28	24	22	25	23	22	20	20	20	21	21	19	18	20	21	24	29	30	24
7	30	34	67	36	36	34	34	35	32	30	29	36	30	28	27	27	28	28	27	32	27	28	31	32	32
8	25	23	24	28	30	32	30	26	20	19	18	21	22	19	****	****	****	****	****	****	****	****	****	****	****
9	****	****	****	****	****	****	****	****	****	****	****	22	22	22	23	24	25	26	27	28	29	30	32	35	33
10	35	37	35	33	30	34	37	30	29	28	26	25	24	24	24	24	22	22	22	24	25	26	26	26	28
11	28	34	34	28	26	26	26	24	23	22	22	21	21	21	21	21	21	21	21	20	21	22	23	22	24
12	22	24	22	22	22	22	23	23	22	21	22	21	21	20	21	21	20	20	20	21	24	23	23	24	22
13	22	22	22	22	22	22	22	22	23	22	22	23	24	23	22	22	24	22	21	21	22	23	23	24	22
14	23	23	23	23	23	23	24	24	24	23	****	21	20	18	19	20	19	19	18	18	19	20	22	22	21
15	23	24	22	22	25	24	25	25	22	20	20	20	20	20	21	21	21	20	19	20	23	23	24	23	22
16	24	25	29	29	25	25	27	29	25	24	23	23	24	22	22	24	24	24	25	25	26	26	26	26	25
17	24	26	27	25	24	25	24	24	23	25	25	25	24	24	24	20	24	23	20	19	21	21	27	26	24
18	25	25	25	22	19	20	19	20	19	19	19	18	18	18	18	19	19	19	19	18	17	19	20	21	20
19	21	21	21	21	21	23	25	26	24	20	20	19	19	18	****	19	19	19	19	20	21	27	27	26	22
20	27	28	32	36	34	39	34	31	28	21	21	22	23	22	22	22	22	22	22	21	23	23	25	27	34
21	32	31	38	37	43	39	42	33	38	34	32	25	24	20	20	19	20	20	20	21	21	21	25	23	28
22	23	22	22	26	23	23	24	22	21	21	20	****	20	20	20	19	19	19	19	20	22	23	22	21	21
23	22	23	24	22	22	23	25	25	23	22	21	20	21	21	21	22	22	22	21	27	32	35	31	34	24
24	37	28	26	24	31	24	25	25	24	22	21	22	20	20	20	19	19	18	17	18	20	23	29	27	23
25	28	29	30	31	31	47	37	30	26	25	23	22	21	21	21	21	21	21	21	20	22	23	25	26	26
26	25	24	24	24	25	26	25	26	26	25	23	24	21	21	20	19	18	18	18	19	20	21	21	20	20
27	20	21	21	21	21	21	21	22	21	21	20	21	20	21	20	19	18	18	19	19	21	22	21	22	21
28	20	20	20	21	22	22	23	21	21	21	21	20	21	20	19	19	19	19	19	19	24	27	28	29	22
29	22	22	22	22	22	22	22	21	21	20	20	19	****	19	19	19	19	19	19	24	27	28	29	22	25
30	32	30	31	32	27	27	27	22	22	22	21	22	21	22	22	22	21	21	22	23	24	26	23	25	29
MEAN	27	26	28	26	26	27	27	25	24	23	22	22	22	21	21	21	21	21	21	21	22	23	24	25	27
																									23.9

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE													MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	27	30	32	27	25	26	28	27	23	22	21	21	20	21	21	20	20	20	20	21	25	34	26	28	24	
2	32	25	24	24	23	26	27	23	23	22	21	22	21	20	20	19	19	19	19	20	21	22	23	22	22	
3	23	22	22	22	22	23	23	22	21	21	21	22	22	22	22	22	23	24	24	23	23	23	22	22	22	
4	22	22	23	22	22	22	22	22	21	21	21	20	21	21	22	22	21	20	20	21	24	23	24	28	22	
5	29	43	30	27	27	28	28	27	22	22	22	22	21	20	20	21	22	21	21	21	22	26	27	28	26	
6	23	23	22	23	24	25	25	24	22	21	23	23	23	23	23	21	21	21	21	20	21	22	22	22	22	
7	22	23	23	23	23	23	24	29	27	26	26	25	23	23	23	21	21	21	21	21	23	24	25	27	24	
8	29	26	25	23	23	23	22	23	22	22	21	20	20	20	20	20	20	20	20	20	21	21	22	21	22	
9	21	21	21	22	22	22	23	22	22	22	21	22	22	22	22	21	21	21	21	21	20	20	21	21	21	
10	21	21	22	22	23	22	22	21	21	21	21	21	21	21	21	21	20	20	21	21	22	22	23	24	21	
11	23	23	23	22	24	28	28	27	25	24	23	22	21	22	-	22	22	21	23	29	35	28	24	31	25	
12	29	28	27	26	25	24	25	26	25	22	21	22	22	22	22	21	21	21	21	22	24	27	27	26	24	
13	26	25	25	41	43	36	34	32	30	28	26	26	26	25	25	25	24	24	24	24	23	24	25	25	28	
14	26	25	30	36	26	27	27	28	25	24	23	25	24	23	23	23	23	23	24	23	25	36	39	37	27	
15	31	28	43	29	29	43	35	27	28	27	24	24	23	22	22	22	22	21	21	23	22	24	30	26	27	
16	23	25	26	23	23	26	28	27	26	24	22	24	24	24	24	23	23	24	24	24	25	27	30	33	25	
17	33	29	30	32	28	28	29	27	25	24	23	24	21	21	21	22	22	22	22	22	28	29	29	28	26	
18	34	40	29	31	32	36	29	30	25	23	26	26	25	25	24	23	23	25	25	25	24	24	23	23	27	
19	28	32	27	26	30	32	33	30	34	34	33	31	26	24	22	21	21	21	21	21	21	22	23	32	27	
20	38	37	37	37	37	31	33	33	27	31	30	27	24	22	21	21	20	20	20	20	22	27	28	26	28	
21	37	27	25	24	29	27	26	27	****	****	****	27	23	****	21	21	21	****	****	****	****	****	****	****	****	
22	- DATA INVALID -													- DATA INVALID -												
23	- DATA INVALID -													- DATA INVALID -												
24	- DATA INVALID -													- DATA INVALID -												
25	****	****	****	****	****	****	****	****	****	****	****	26	23	23	24	24	24	23	22	22	23	24	24	24	****	
26	22	22	23	26	28	28	25	23	21	21	21	21	21	23	23	22	21	21	21	20	20	21	21	22		
27	22	22	22	22	22	22	22	23	25	23	22	22	22	23	22	21	21	21	21	21	21	21	21	21	22	
28	21	22	23	23	22	22	23	23	22	22	21	21	21	21	21	21	20	22	22	22	25	26	23	25	22	
29	23	23	25	25	26	25	23	26	25	23	22	22	23	22	22	22	21	21	22	22	22	23	23	23	23	
30	25	24	25	25	24	26	24	23	22	22	21	21	22	22	22	21	21	21	22	22	23	26	29	28	23	
31	29	29	31	34	37	28	26	24	22	20	20	20	21	22	23	23	24	24	24	24	25	47	44	30	27	
MEAN	27	27	26	27	26	27	26	26	24	24	23	23	22	22	22	22	22	22	22	22	23	26	26	26	24.3	

PERCENTAGE OF DATA VALID - 87.2

PERCENTAGE OF DATA INVALID - 12.6

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	31	30	30	33	26	27	28	32	29	29	28	26	24	24	25	26	26	25	24	26	28	33	36	32	28
2	29	27	27	28	27	29	30	30	31	32	27	25	24	24	24	25	24	23	23	24	26	23	23	23	26
3	23	23	23	22	24	24	26	26	27	28	26	25	24	25	24	22	24	27	29	26	25	25	27	27	25
4	23	23	22	22	22	23	27	25	23	23	22	22	23	24	24	24	22	22	22	23	26	29	31	27	24
5	30	29	30	32	31	31	36	37	30	25	24	24	24	24	23	23	24	24	23	24	25	28	28	34	28
6	41	31	29	36	32	33	33	28	26	24	25	24	24	25	25	22	23	24	24	24	27	34	34	35	29
7	30	41	38	28	28	29	36	36	29	29	27	25	24	24	24	24	24	24	24	25	29	27	45	33	30
8	42	44	28	28	26	25	27	27	26	25	25	24	23	24	24	23	23	23	23	23	23	23	23	23	26
9	23	23	23	24	24	24	25	25	25	24	24	23	22	24	23	23	22	22	24	24	23	27	26	25	24
10	26	27	24	25	25	25	28	29	27	25	26	24	25	25	24	24	24	24	24	25	25	38	44	35	27
11	29	34	32	31	30	30	34	37	33	27	22	22	22	22	22	22	22	22	22	23	29	33	28	27	27
12	33	34	31	28	27	30	28	26	26	24	22	21	24	23	22	22	22	22	23	25	27	27	25	32	26
13	27	25	25	26	27	27	28	26	23	22	24	24	23	24	24	23	23	22	20	23	26	25	25	26	25
14	24	24	24	23	23	25	28	29	27	25	26	26	23	22	22	22	23	22	23	25	27	31	61	48	27
15	73	55	33	43	42	36	33	32	29	27	24	23	23	23	22	22	21	22	30	30	29	25	25	25	31
16	26	27	26	26	27	28	27	26	25	23	23	25	23	22	22	22	22	22	21	22	22	22	22	22	24
17	22	22	22	22	22	22	23	23	23	23	22	23	23	23	23	23	23	24	24	23	26	30	30	28	24
18	29	29	26	28	35	34	39	34	31	26	24	24	25	25	***	26	25	25	25	25	26	26	26	28	28
19	29	36	41	32	29	28	28	31	27	24	27	25	26	25	23	22	22	22	23	23	23	23	23	23	26
20	24	23	23	23	23	23	24	25	25	24	24	24	25	25	25	25	25	25	28	32	26	28	27	26	25
21	27	26	25	26	26	27	30	30	29	25	25	26	25	***	25	24	24	23	23	25	27	27	33	35	27
22	29	31	34	36	37	37	36	41	34	31	27	26	26	25	25	27	26	26	25	28	43	33	31	29	31
23	27	25	25	27	29	32	34	35	35	32	28	24	24	25	27	27	27	26	25	27	30	33	32	25	28
24	25	24	24	25	27	25	27	29	28	26	25	24	30	24	35	32	27	26	24	24	24	24	25	25	26
25	24	24	23	24	26	28	28	27	25	25	27	26	23	23	23	22	23	23	24	48	34	35	37	26	27
26	24	37	39	37	34	30	25	27	24	23	22	21	22	23	23	22	23	23	23	40	35	29	36	33	28
27	34	36	39	29	27	24	24	24	23	22	22	21	21	22	22	22	22	22	22	22	22	22	22	22	25
28	22	22	22	23	23	24	27	29	28	25	23	22	22	22	22	22	21	21	21	21	23	23	22	22	21
29	21	21	21	21	21	22	22	26	26	23	22	22	21	21	21	21	21	20	21	22	23	23	24	25	22
30	24	25	25	25	26	30	33	32	30	26	23	22	24	21	22	22	21	25	30	29	29	33	34	31	27
31	23	26	25	29	39	41	32	32	31	28	24	24	23	24	23	23	23	23	23	26	30	33	32	28	28
MEAN	29	29	28	28	28	28	29	30	28	26	24	24	24	24	24	24	23	23	24	26	27	28	30	28	26.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL HYDROCARBONS										UNITS - 0.1 PARTS/MILLION														
		STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE										MONTH - SEP 78														
HOURLY DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		29	28	33	29	28	28	30	32	29	26	24	23	25	25	25	24	24	24	24	26	26	26	26	27	27
2		28	32	29	28	27	40	35	28	25	23	23	23	25	23	23	24	24	24	23	22	23	23	24	24	26
3		25	33	24	30	25	26	27	27	25	24	24	25	24	25	25	25	25	25	24	24	26	25	27	28	26
4		26	29	29	25	26	31	29	25	25	24	23	22	22	23	24	25	25	22	22	24	23	23	24	25	25
5		32	27	27	27	26	26	29	29	29	26	25	25	25	25	24	24	26	27	30	34	34	35	36	30	28
6		26	27	29	29	26	34	33	31	27	25	24	23	23	22	22	22	22	22	24	26	25	25	23	23	26
7		23	23	22	24	25	26	29	26	25	24	23	23	24	***	23	23	23	23	23	23	23	23	23	22	24
8		22	22	23	24	24	23	24	24	24	23	24	23	24	24	24	24	24	25	27	28	27	28	28	26	24
9		24	24	25	24	27	28	25	24	24	23	23	23	23	24	24	24	24	24	24	25	27	27	25	24	25
10		25	25	24	24	24	24	24	24	25	25	25	25	26	24	24	24	24	25	24	27	28	30	37	32	26
11		41	40	35	35	42	42	38	57	44	35	28	***	25	24	24	23	22	22	26	27	26	26	26	22	32
12		23	24	38	31	21	21	22	22	22	21	21	21	21	21	20	23	23	21	23	24	22	21	21	21	23
13		21	21	21	21	21	22	23	23	23	21	20	19	18	19	19	20	20	20	21	21	21	22	21	22	21
14		21	21	21	22	22	23	25	25	26	25	25	25	***	23	24	26	25	23	23	23	22	22	23	24	23
15		25	23	22	21	21	21	23	24	24	22	22	22	22	22	21	21	21	21	22	23	23	22	23	23	22
16		22	22	22	28	42	27	23	23	22	22	22	21	21	22	22	22	21	22	27	27	26	23	22	24	
17		26	25	28	33	32	27	27	25	24	24	24	24	24	24	23	23	23	23	23	24	24	24	24	24	25
18		24	24	24	24	23	24	27	27	27	27	24	24	24	24	23	24	24	23	23	25	24	23	26	33	25
19		26	26	29	26	24	27	30	28	28	27	26	26	26	24	24	24	26	27	28	28	25	26	35	27	
20		30	29	33	27	32	27	35	29	28	29	26	24	25	25	26	30	29	27	28	30	29	30	32	31	29
21		32	33	42	45	45	45	52	53	56	***	22	21	23	22	27	25	24	24	24	25	26	26	26	26	32
22		26	29	25	24	26	31	34	30	26	25	24	23	23	***	22	22	24	25	24	26	26	33	36	25	
23		27	25	27	27	28	33	30	28	29	26	23	22	23	23	22	23	22	23	23	25	28	28	29	26	
24		30	29	30	41	29	34	27	27	23	23	22	22	22	22	22	21	21	22	21	22	23	23	22	23	25
25		23	21	21	21	22	22	24	27	25	23	23	***	23	24	24	24	24	23	25	32	36	31	27	25	
26		23	44	30	40	36	35	39	38	34	28	25	24	25	23	22	23	22	23	22	23	24	25	26	26	28
27		25	24	22	23	24	25	26	26	26	24	21	23	22	21	27	24	24	25	27	25	25	23	21	23	24
28		25	22	22	22	21	23	25	23	23	22	22	22	22	21	22	25	22	21	23	26	25	33	30	29	24
29		31	43	28	25	28	35	41	39	34	33	25	24	23	21	22	22	22	22	22	22	21	22	22	22	27
30		27	28	27	29	29	30	33	39	31	25	24	25	24	22	22	23	25	24	25	23	24	24	22	22	26
MEAN		26	27	27	28	28	29	30	29	28	25	24	23	23	23	23	24	23	23	24	25	25	26	26	26	25.6

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL HYDROCARBONS												UNITS - 0.1 PARTS/MILLION													
		STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - OCT 78													
HOURLY DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		23	22	22	21	21	21	22	21	21	21	20	21	21	21	21	21	21	24	26	24	24	28	26	22	22	
2		22	44	53	24	25	26	45	30	33	23	21	22	21	***	22	23	22	24	26	29	29	34	29	32	29	
3		38	43	41	40	30	22	21	21	21	21	21	21	21	22	23	22	23	22	22	24	23	23	24	23	26	
4		22	19	20	20	22	22	22	21	21	21	21	21	21	21	21	21	21	21	22	24	22	21	22	21	21	
5		22	22	23	25	24	25	30	42	32	21	21	20	***	24	24	24	23	23	24	21	19	21	22	24	24	
6		22	23	21	23	21	23	23	24	22	22	22	21	22	21	21	20	21	21	21	20	21	20	20	20	21	
7		20	20	20	20	20	20	21	20	20	20	19	19	19	20	20	22	23	20	21	21	21	26	24	21	21	
8		25	21	21	21	21	23	27	22	21	20	22	24	24	23	24	25	25	26	32	26	23	23	23	24	24	
9		24	23	23	26	28	30	27	24	22	22	21	21	21	21	21	21	21	22	22	22	22	22	21	21	23	
10		23	21	22	21	23	23	25	25	23	23	23	23	24	23	23	23	23	23	26	24	24	23	24	26	23	
11		71	87	70	55	44	48	41	41	36	31	30	28	27	26	25	26	25	32	30	27	28	28	26	23	38	
12		23	22	23	22	22	22	23	23	22	22	23	22	23	22	22	22	22	24	21	21	21	21	22	22	22	
13		22	22	23	23	23	24	27	26	23	23	24	22	***	25	24	25	24	24	25	26	24	23	22	29	24	
14		25	32	26	24	33	33	24	23	22	22	23	22	25	22	24	24	24	23	22	22	22	21	31	24	25	
15		23	23	36	27	26	35	37	26	25	23	22	22	22	22	22	22	21	22	26	25	29	39	45	27	27	
16		27	22	21	21	21	21	23	25	26	24	23	32	25	23	23	23	23	25	33	37	44	43	32	29	27	
17		29	29	28	29	27	26	28	31	44	28	24	23	25	25	24	24	24	25	27	26	26	26	24	23	27	
18		32	116	110	31	25	26	26	25	25	25	24	25	25	25	24	24	24	24	25	26	26	26	26	33		
19		29	42	44	42	38	40	27	29	26	24	23	23	23	22	23	23	25	23	25	25	22	21	21	28		
20		22	25	30	23	23	24	26	33	33	24	24	23	24	26	25	23	25	29	25	25	25	24	23	23	25	
21		24	26	27	27	25	27	28	29	29	27	26	25	24	24	24	24	24	23	23	24	24	23	27	25	25	
22		26	26	26	26	26	25	24	25	25	25	25	25	23	23	23	24	24	24	24	24	24	24	25	25	25	
23		25	25	22	29	24	26	25	25	25	27	26	26	27	26	26	25	24	25	24	25	29	31	24	25	26	
24		26	29	43	34	29	30	32	37	29	24	22	21	22	22	21	21	22	22	22	23	23	25	27	28	26	
25		26	26	25	24	24	24	26	28	29	24	23	23	24	22	22	21	21	21	21	21	21	21	21	21	21	
26		22	21	20	20	21	21	23	26	24	23	22	21	22	21	21	21	21	21	22	23	23	23	23	23	23	
27		22	22	23	23	23	23	24	24	24	24	23	22	22	23	22	25	23	22	22	24	23	22	23	23	23	
28		23	24	24	24	24	24	25	25	26	26	23	22	22	21	21	22	22	23	23	24	24	24	24	24	24	
29		24	25	26	27	25	29	26	30	26	26	25	25	24	24	24	25	23	24	26	28	29	30	29	31	26	
30		35	36	35	25	24	24	25	27	26	26	25	24	23	***	***	25	27	31	33	35	34	32	29	24	26	
31		25	25	24	25	25	26	26	28	30	27	26	26	26	26	28	30	26	27	31	32	31	31	35	33	28	
MEAN		27	31	31	27	25	26	27	27	26	24	23	23	23	23	23	23	23	23	24	25	25	25	25	25	25	25.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	31	29	28	33	52	41	42	37	39	37	34	27	26	26	25	26	27	30	29	37	33	27	26	26	32
2	26	26	27	31	27	25	26	28	29	28	29	27	25	***	26	25	27	28	27	28	34	37	36	33	28
3	42	50	43	36	35	35	46	39	46	50	45	33	33	32	33	32	31	32	34	35	39	35	30	51	38
4	61	38	34	35	38	43	44	47	45	43	42	41	39	35	37	37	40	41	47	41	36	32	29	35	40
5	34	34	34	40	35	51	46	38	40	41	36	34	34	31	32	32	25	26	26	27	26	25	26	27	33
6	27	26	27	26	26	25	26	27	30	30	28	27	26	26	25	26	25	25	25	23	24	24	25	25	27
7	25	25	25	25	25	25	27	33	33	30	28	27	26	26	25	26	25	27	36	38	31	42	33	29	29
8	29	28	32	37	35	34	40	46	42	33	26	25	28	29	26	25	25	26	27	27	27	26	27	27	30
9	27	26	26	25	25	26	27	27	28	26	26	26	26	26	26	***	27	27	27	25	26	25	28	30	26
10	29	31	27	28	31	34	47	37	39	48	45	31	28	28	28	28	28	27	28	27	27	27	28	42	32
11	32	27	32	51	43	26	27	28	29	26	25	25	26	26	25	25	28	31	27	29	28	27	26	24	29
12	26	25	25	25	25	25	25	25	25	25	25	25	27	28	27	26	27	26	27	27	27	28	27	28	26
13	28	29	29	28	29	29	31	32	31	31	30	28	29	29	29	29	30	31	32	32	31	32	30	30	30
14	31	30	30	30	29	29	28	27	28	28	29	45	32	27	25	26	26	26	26	26	26	26	26	26	28
15	28	27	27	27	27	27	27	27	28	29	27	28	27	27	27	***	22	22	24	28	28	28	28	27	27
16	26	39	50	28	31	29	28	37	29	26	23	21	22	21	23	26	27	28	29	30	26	26	26	25	28
17	24	24	24	24	24	24	25	26	26	25	26	25	26	25	25	27	27	25	25	25	24	25	24	24	25
18	25	24	24	24	24	24	24	23	23	23	23	23	23	23	23	23	24	24	24	23	23	23	23	23	24
19	25	24	25	25	24	24	25	24	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
20	27	25	23	23	23	23	23	24	24	24	24	24	24	24	***	25	26	24	28	26	26	24	31	33	25
21	29	41	30	25	25	24	25	28	26	27	25	25	25	26	27	26	27	28	29	29	31	28	31	34	28
22	33	31	24	24	24	23	24	24	24	24	23	23	23	23	23	24	24	24	24	23	24	23	24	24	24
23	24	24	24	24	24	24	24	25	26	25	26	25	25	26	***	27	27	26	26	26	26	25	25	25	25
24	25	25	24	25	24	24	25	25	27	26	24	24	23	23	23	23	24	24	23	24	22	22	22	22	24
25	22	22	22	22	23	22	24	23	25	26	26	26	26	26	25	27	25	27	26	23	24	29	30	25	25
26	33	28	24	27	40	35	33	36	27	24	24	23	23	24	22	23	23	25	25	24	24	24	24	24	27
27	24	23	23	23	23	24	26	25	25	24	24	26	25	22	24	26	25	26	25	25	35	36	34	26	26
28	36	34	32	34	24	24	35	25	36	31	24	23	23	23	24	23	25	24	23	24	24	24	24	24	27
29	24	25	24	24	24	25	26	28	29	28	27	25	24	24	25	25	24	25	24	25	24	24	25	24	25
30	24	23	24	23	23	24	22	23	23	22	22	22	22	21	21	22	23	23	22	22	23	22	23	23	23
MEAN	29	29	28	28	29	28	30	30	30	29	28	27	26	26	26	26	26	27	27	28	27	27	27	29	27.9

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	22	22	22	22	22	22	22	23	23	23	24	25	25	27	28	24	25	25	25	25	25	25	25	24
2	23	23	23	24	23	23	23	23	24	23	23	22	23	22	25	25	25	25	31	26	34	45	28	26	26
3	26	25	24	24	24	23	23	24	24	24	22	23	24	24	24	24	25	25	26	24	24	25	25	26	24
4	27	27	23	23	23	24	24	24	24	23	23	22	23	22	22	22	23	22	22	22	21	21	21	22	23
5	22	22	21	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	24	24	23	23	23	23	23
6	23	23	23	23	23	23	25	25	25	24	23	23	23	23	23	24	25	24	24	23	23	24	24	24	24
7	23	23	24	34	30	37	27	26	28	27	26	25	25	23	24	24	24	25	25	26	25	27	27	26	26
8	27	28	28	28	28	28	29	29	33	30	30	28	34	31	***	30	28	29	24	27	25	26	28	31	29
9	24	23	25	44	43	44	34	36	24	23	22	22	21	21	21	22	22	23	23	23	23	23	23	23	26
10	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	22	23	23	23	23	24	23	23	24	23
11	25	25	24	25	25	24	25	25	26	27	25	24	25	***	25	26	28	29	29	31	31	28	28	27	26
12	26	25	26	26	26	26	25	24	25	25	25	25	25	24	24	24	24	25	25	24	25	25	26	26	25
13	26	25	25	24	24	24	24	24	24	24	24	25	24	23	22	22	23	23	22	22	22	21	22	22	23
14	22	22	22	21	21	21	22	22	23	23	22	22	22	***	23	23	23	23	23	22	22	22	22	22	22
15	23	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	24	24	24	24	24	24	23
16	24	23	24	24	24	25	26	27	28	26	25	26	26	27	27	27	26	29	30	27	28	27	26	25	26
17	25	24	24	22	21	21	21	21	21	21	21	21	21	21	21	21	22	23	22	23	23	23	22	22	22
18	23	27	24	25	23	22	24	27	25	23	23	25	26	30	29	27	25	23	25	27	28	25	24	31	25
19	37	25	25	25	28	28	25	26	27	24	23	24	***	25	23	24	24	26	30	26	28	27	24	26	28
20	25	24	24	25	25	25	24	24	25	25	24	22	22	22	23	23	23	23	22	23	23	23	23	24	24
21	24	24	23	22	21	22	21	20	20	20	20	21	21	21	21	21	21	23	21	21	21	22	22	22	21
22	23	23	23	23	23	23	23	24	24	24	***	25	24	23	23	23	22	23	23	23	23	23	23	23	23
23	22	22	22	22	22	23	23	23	23	24	23	23	23	23	22	23	23	25	25	95	36	39	138	73	34
24	39	36	43	28	26	24	23	23	23	23	23	23	23	23	23	23	23	24	24	23	23	23	23	23	26
25	23	22	25	23	22	28	39	27	25	25	22	23	22	21	22	22	22	22	22	22	22	22	22	22	24
26	22	22	22	23	22	23	23	23	23	24	24	24	24	23	23	23	23	23	23	23	23	23	23	23	23
27	23	23	22	22	22	23	23	23	23	24	23	23	23	23	23	23	23	24	24	24	25	25	25	25	23
28	25	24	24	24	24	25	38	34	29	30	27	28	***	***	23	26	39	40	41	31	29	48	51	28	31
29	30	36	25	37	36	33	25	29	31	30	36	30	29	29	29	23	23	24	26	27	27	26	23	23	28
30	24	24	23	22	23	23	23	23	25	25	23	23	23	23	23	24	24	24	24	26	27	26	27	27	24
31	28	30	31	30	29	67	32	29	29	28	29	30	30	29	29	29	29	28	28	28	26	24	24	24	30
MEAN	25	25	25	25	26	27	25	25	25	25	24	24	24	24	24	24	24	25	25	27	25	26	29	26	25.2

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	25.1	35	90
FEB	28	24.6	34	69
MAR	31	26.8	38	96
APR	28	25.3	35	100
MAY	31	26.5	35	117
JUN	28	23.9	32	70
JUL	26	24.3	28	47
AUG	31	26.5	31	73
SEP	30	25.6	32	57
OCT	31	25.3	38	116
NOV	30	27.9	40	61
DEC	31	25.2	34	138
YEAR	356	25.6	40	138

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141- 200	201&OVER	TOTAL
JAN	0	24	631	71	7	0	0	0	733
FEB	0	65	514	90	2	0	0	0	671
MAR	0	9	608	114	6	1	0	0	738
APR	0	41	554	85	2	1	0	0	683
MAY	0	21	585	129	0	2	0	0	737
JUN	0	81	547	65	2	0	0	0	695
JUL	0	5	594	50	0	0	0	0	649
AUG	0	0	623	117	2	0	0	0	742
SEP	0	4	634	76	0	0	0	0	714
OCT	0	5	662	67	3	2	0	0	739
NOV	0	0	563	150	1	0	0	0	714
DEC	0	0	691	40	3	2	0	0	736
YEAR	0	255	7206	1054	28	8	0	0	8551

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.6	16	20.3	22.1	23.5	25.6	31.7	36.0	42.7	48.4	138	25.6



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL HYDROCARBONS												UNITS - 0.1 PARTS/MILLION												
		STATION - C NO 35033												EVANS/ARNOLD AVE. ETOBICOKE												
		MONTH - JAN 78																								
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		13	13	13	13	12	12	12	12	12	12	12	12	13	13	13	13	13	13	12	12	12	12	12	12	12
2		12	12	12	12	12	12	13	14	14	14	13	13	13	13	13	13	14	14	14	14	13	13	13	13	13
3		14	13	14	14	14	14	15	16	16	16	16	14	14	14	14	18	19	19	16	16	15	14	15	14	15
4		13	13	13	14	14	14	15	19	26	28	20	18	18	18	18	17	16	17	18	15	15	16	16	17	16
5		15	15	14	15	16	16	17	17	18	17	17	16	18	18	18	20	18	21	21	22	23	24	25	26	19
6		19	17	15	14	13	13	14	14	15	16	15	15	16	16	16	17	17	15	14	14	15	15	14	14	15
7		14	14	14	14	15	15	16	16	15	16	17	18	19	18	16	16	16	15	15	16	16	16	16	18	16
8		17	16	15	14	13	13	13	13	13	14	14	13	14	14	14	16	20	22	18	15	16	14	12	12	15
9		12	11	11	11	11	11	12	13	13	13	13	13	13	13	13	13	14	15	15	14	13	13	13	13	13
10		13	13	13	12	13	13	15	16	16	15	19	***	14	13	13	13	13	13	12	12	12	12	12	12	13
11		12	13	12	11	11	10	11	11	12	13	13	13	12	12	12	13	13	14	13	13	12	12	12	12	12
12		12	12	12	12	12	13	14	16	17	20	18	17	16	16	14	17	18	21	18	16	17	19	19	16	16
13		20	22	21	20	18	15	13	13	14	16	16	15	15	15	15	16	16	14	13	13	13	12	11	11	15
14		11	11	11	11	11	10	10	11	10	10	10	11	11	11	11	11	12	12	12	11	11	11	11	11	11
15		11	11	11	11	11	11	11	11	12	12	12	12	***	13	13	13	13	13	14	13	13	14	14	14	12
16		13	13	13	14	13	13	14	16	17	17	17	16	15	15	15	17	17	16	15	15	16	17	18	20	16
17		21	22	21	19	18	20	21	28	25	24	22	***	19	17	17	17	18	18	17	16	15	14	14	14	19
18		14	14	14	13	13	13	14	15	17	18	17	16	16	15	15	15	16	16	17	16	16	15	17	17	15
19		18	17	19	26	21	22	21	24	30	42	28	25	20	19	20	19	17	16	16	16	16	16	15	15	21
20		13	13	12	12	12	12	13	13	15	15	14	14	15	15	16	16	15	15	14	15	14	13	13	13	14
21		14	14	14	13	13	15	15	16	15	15	15	15	14	14	14	14	15	16	19	22	24	29	21	18	16
22		19	18	17	17	16	16	19	16	15	16	16	16	15	14	14	14	15	15	15	14	13	13	13	14	15
23		14	15	15	14	14	14	15	17	20	17	17	17	16	16	16	15	17	17	16	16	16	16	16	17	16
24		18	18	17	16	16	15	16	17	20	21	21	19	18	19	19	21	23	21	22	21	18	19	18	18	19
25		19	20	21	22	22	21	24	30	34	40	32	27	26	28	28	24	29	22	19	16	16	15	14	24	24
26		15	15	14	14	15	14	14	17	16	14	14	14	13	13	***	***	***	***	***	***	***	***	***	***	***
27		***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
28		15	15	15	15	15	15	15	16	16	16	16	15	16	18	***	16	16	16	16	16	16	15	15	15	16
29		15	16	16	16	15	15	15	15	16	16	16	16	16	16	16	15	15	15	15	15	16	16	15	16	16
30		17	16	16	16	17	17	17	17	20	21	24	22	18	16	16	16	17	20	21	19	17	17	16	16	18
31		15	16	16	16	16	16	17	19	19	20	19	19	18	18	18	19	20	21	20	17	17	16	16	15	18
MEAN		15	15	15	15	14	14	15	16	17	18	17	16	16	16	16	16	17	17	16	16	15	15	15	15	15.7

PERCENTAGE OF DATA VALID - 95.8      PERCENTAGE OF DATA INVALID - 4.2      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - TOTAL HYDROCARBONS												UNITS - 0.1 PARTS/MILLION												
		STATION - C NO 35033						EVANS/ARNOLD AVE. ETOBICOKE						MONTH - FEB 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		15	15	15	15	15	15	16	17	18	17	16	15	16	17	17	17	18	18	18	17	17	17	17	17	16
2		17	17	17	17	16	17	20	23	24	26	22	20	20	20	19	21	22	23	23	22	21	20	20	20	20
3		21	22	21	24	21	23	24	26	32	28	23	21	18	17	16	17	18	19	20	20	20	20	19	19	21
4		20	20	20	20	20	19	20	20	21	22	21	18	19	19	18	17	18	23	25	28	33	28	28	28	22
5		29	26	26	26	27	24	16	15	15	16	16	16	16	16	16	16	16	19	20	21	21	22	23	22	20
6		18	18	17	19	20	17	19	23	27	25	23	22	21	19	21	19	19	19	19	18	17	16	16	16	19
7		16	16	16	15	15	16	17	19	19	18	18	18	18	***	21	19	19	20	21	21	20	20	19	20	18
8		21	20	20	19	20	20	21	24	27	26	23	22	19	19	19	22	22	23	23	23	24	22	21	22	21
9		21	22	21	24	25	25	23	24	26	24	22	18	17	18	18	18	19	20	21	19	21	21	19	21	22
10		23	20	20	19	21	24	24	26	29	20	22	22	20	17	17	18	18	19	18	18	17	18	17	18	20
11		18	18	18	17	17	17	18	18	17	17	17	16	16	16	16	16	16	16	16	15	15	15	15	26	17
12		16	16	15	15	15	15	15	14	14	15	15	15	15	15	15	15	15	15	15	15	16	16	15	17	15
13		20	18	17	21	23	21	20	19	21	22	21	18	17	***	19	18	19	19	20	23	22	23	22	23	20
14		23	17	16	16	20	24	25	26	27	24	22	21	19	16	***	16	17	19	22	24	27	25	20	19	21
15		20	19	18	17	16	16	18	23	26	22	18	18	21	20	19	18	19	20	21	20	19	19	20	21	20
16		20	20	20	21	21	20	18	19	21	21	19	17	17	16	16	17	17	17	17	17	17	17	17	17	20
17		18	18	18	17	16	16	17	19	20	18	17	17	17	19	20	25	22	22	18	19	18	18	17	17	20
18		18	19	18	18	18	18	18	18	17	18	17	15	15	15	15	16	16	17	17	17	18	18	18	17	17
19		16	16	16	17	17	18	17	17	17	17	16	15	14	15	15	13	14	15	15	15	16	16	16	16	16
20		18	17	17	18	19	19	29	32	25	24	22	18	18	18	17	17	19	18	17	18	19	24	26	25	21
21		24	23	24	20	18	17	19	23	26	23	22	18	17	17	17	18	19	19	20	20	19	17	18	18	20
22		16	16	16	15	16	17	17	18	18	16	15	15	14	14	16	16	17	17	16	16	16	17	17	17	16
23		17	16	17	17	17	13	14	17	18	18	17	17	17	17	17	***	19	19	18	18	19	20	19	21	17
24		21	20	21	20	19	19	19	21	23	21	20	19	19	18	19	22	22	22	21	20	19	18	18	19	20
25		20	20	20	19	18	18	18	18	19	19	17	17	17	17	17	17	18	19	19	19	19	18	19	20	20
26		26	22	20	18	18	22	20	18	23	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	20
27		19	18	18	18	17	18	19	21	24	22	20	19	18	17	18	17	18	19	19	19	19	18	18	18	19
28		19	21	21	21	21	21	23	27	28	24	21	20	18	19	19	19	19	21	21	19	19	20	21	21	21
MEAN		20	19	19	19	19	19	19	21	22	21	19	18	18	17	18	18	19	19	19	19	20	20	19	20	19



POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	13	13	13	13	14	15	15	14	14	14	****	15	15	15	15	14	14	14	14	14	15	15	14	14
2	15	14	16	15	15	16	17	16	15	15	14	****	21	19	17	18	17	17	16	15	15	14	15	15	16
3	15	15	14	15	15	15	15	16	17	19	20	19	16	14	****	16	16	15	15	15	15	15	16	17	16
4	17	18	18	17	16	15	14	15	19	18	17	16	15	15	14	15	15	15	16	15	15	14	14	14	16
5	14	13	13	13	13	14	16	17	16	15	16	20	14	15	16	16	15	16	17	15	16	16	15	15	15
6	15	14	14	14	14	15	15	16	16	15	15	****	18	18	17	17	17	21	22	27	25	19	18	19	17
7	18	18	17	18	17	17	16	16	17	17	16	17	17	17	18	17	18	17	18	19	18	19	18	18	18
8	19	19	19	18	18	19	22	22	22	22	25	23	24	25	26	27	24	23	24	26	23	24	25	23	23
9	21	23	20	19	20	26	36	37	33	24	23	22	20	19	19	19	19	18	18	19	20	21	25	19	23
10	19	19	20	20	19	21	23	22	****	15	14	14	15	15	15	15	15	14	14	15	15	18	22	19	17
11	20	18	20	27	27	30	23	22	21	18	19	19	18	17	17	19	17	16	16	23	24	19	23	25	21
12	21	22	20	17	15	17	19	27	27	25	26	22	23	22	24	20	14	16	16	14	15	14	14	13	19
13	14	14	14	16	16	16	14	14	14	14	15	16	17	****	****	****	****	****	****	****	****	****	****	****	****
14	****	****	****	****	****	****	****	****	****	****	****	****	19	13	12	12	12	12	12	12	12	11	11	11	****
15	11	10	10	11	11	11	13	13	13	13	****	13	13	13	13	14	14	14	13	13	13	12	13	12	12
16	11	12	11	11	12	12	13	14	13	14	13	13	13	15	14	15	15	15	15	16	18	20	14	14	14
17	14	16	15	15	13	14	17	19	18	17	****	15	14	15	15	15	15	14	13	14	14	14	14	14	15
18	20	22	21	20	17	18	17	21	21	23	****	16	16	16	16	15	14	16	17	18	26	24	22	21	19
19	23	31	31	25	29	42	35	32	28	19	18	16	****	17	21	20	15	14	14	18	26	24	30	28	24
20	19	16	16	18	18	19	20	17	21	18	16	15	16	18	15	14	13	14	13	15	18	17	18	25	17
21	23	15	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	13	14	15	12
22	14	13	14	15	17	18	16	13	12	12	13	12	13	12	12	12	12	12	12	14	15	20	21	27	15
23	26	20	19	32	32	27	29	25	21	18	18	16	15	15	15	16	15	16	18	23	16	14	22	20	20
24	25	21	22	17	16	19	20	27	33	29	19	16	****	16	17	17	16	19	16	18	26	27	22	16	21
25	17	19	17	19	16	18	21	17	16	15	14	15	14	15	14	14	14	14	14	16	17	16	17	19	16
26	19	20	15	15	15	16	18	21	18	16	15	16	16	16	16	16	14	14	21	17	23	22	23	39	18
27	18	18	22	27	25	20	24	22	15	16	16	15	16	15	15	15	15	14	14	14	14	15	20	26	18
28	27	23	25	23	24	31	26	23	19	16	16	14	14	14	13	13	13	14	13	13	15	14	15	17	18
29	-	-	-	-	-	-	-	-	****	****	****	23	20	25	22	20	16	15	14	15	14	16	17	16	****
30	19	29	36	38	36	31	23	26	****	****	****	17	18	17	18	18	17	19	21	19	24	22	22	19	23
31	40	27	28	25	27	22	26	19	19	22	18	18	****	****	****	19	18	18	18	18	18	18	19	19	22
MEAN	19	18	18	19	19	19	20	20	19	17	17	17	16	16	16	16	15	16	16	17	18	18	18	19	17.7

PERCENTAGE OF DATA VALID - 93.5

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	18	17	18	19	19	19	21	19	20	23	22	****	17	17	17	14	14	15	18	22	17	16	20	18
2	17	16	18	18	23	26	28	24	31	38	20	16	16	15	16	16	15	15	15	15	16	17	17	15	19
3	15	14	14	14	14	14	14	14	14	14	14	15	14	14	14	14	14	14	14	15	15	15	15	16	14
4	16	18	21	17	18	18	18	17	16	15	14	14	15	15	****	15	15	15	15	18	18	16	16	16	16
5	17	16	15	15	15	15	16	15	15	15	****	15	15	14	15	14	14	14	14	15	17	18	22	21	16
6	17	20	25	23	20	21	23	22	21	19	21	19	20	19	19	18	14	14	14	15	16	19	19	17	19
7	17	17	22	23	21	23	28	31	29	****	31	23	20	25	22	25	24	23	25	23	24	24	29	24	24
8	18	23	26	27	24	25	22	34	24	18	17	19	21	****	17	16	15	16	15	15	14	15	14	15	16
9	14	14	13	13	14	14	16	16	15	14	15	14	15	14	15	15	14	14	14	15	14	16	15	15	16
10	16	16	17	18	17	18	19	16	16	15	16	16	15	15	14	14	14	14	14	15	15	15	15	15	16
11	17	17	17	16	17	21	17	18	17	17	16	15	14	15	14	15	15	14	14	14	17	19	18	19	16
12	21	22	44	34	17	16	23	24	26	23	16	15	18	17	18	19	16	18	21	16	14	13	12	12	20
13	12	12	12	12	12	13	14	13	12	12	13	12	14	14	13	14	13	13	13	13	14	13	14	14	13
14	13	13	13	13	13	15	15	14	13	13	13	13	14	****	14	14	13	13	13	14	14	15	14	14	14
15	15	15	15	15	16	17	18	16	15	14	14	15	15	14	14	15	14	13	14	14	15	22	31	21	16
16	21	27	21	17	16	16	19	20	18	17	16	16	17	17	17	21	16	15	20	22	19	19	22	15	19
17	15	15	15	16	16	18	15	16	16	15	15	15	16	16	16	16	15	17	16	18	15	14	16	14	16
18	15	17	22	20	15	16	15	14	15	15	13	****	14	14	14	14	13	14	14	14	14	15	15	15	15
19	15	14	15	18	18	20	21	22	17	16	15	14	15	15	15	16	15	14	14	15	18	28	26	17	
20	18	30	26	29	22	20	23	26	20	26	27	17	19	****	22	17	15	16	15	17	15	16	18	20	21
21	19	19	27	31	35	41	32	21	25	32	23	19	****	32	26	28	21	17	16	15	17	16	18	21	24
22	16	16	16	16	16	18	19	17	17	16	16	15	16	16	16	16	16	15	16	18	18	16	17	16	
23	16	17	15	15	16	16	17	16	18	15	16	16	15	15	16	16	16	15	16	16	18	21	19	16	
24	19	20	20	19	19	19	19	19	19	17	16	15	15	15	14	14	14	15	15	15	16	18	23	20	17
25	20	21	27	28	31	35	27	22	18	18	17	16	16	****	15	14	15	15	15	15	15	17	17	18	20
26	19	17	17	18	19	18	15	22	19	21	22	17	18	19	16	17	15	15	15	19	19	16	16	15	18
27	19	19	22	23	21	21	28	24	21	19	18	18	19	18	19	16	17	17	15	15	14	14	14	14	18
28	15	14	14	14	15	15	16	16	15	16	15	15	****	15	15	15	15	15	15	15	14	16	16	15	15
29	17	26	16	15	16	16	19	18	17	16	16	15	16	15	16	16	15	15	14	15	17	17	17	17	17
30	16	16	16	16	17	18	19	18	17	16	****	15	16	16	15	15	15	15	15	16	17	17	15	16	16
MEAN	17	18	19	19	18	19	20	20	19	18	17	16	16	17	16	16	15	15	16	16	16	17	18	17	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS															UNITS - 0.1 PARTS/MILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	16	17	17	17	17	17	17	17	15	14	13	13	14	14	14	14	14	14	14	14	17	19	23	22	16	
2	22	22	23	17	18	21	19	16	14	14	14	14	14	14	14	13	13	13	14	14	15	15	16	15	16	
3	15	14	14	14	14	15	15	14	14	14	14	14	15	15	15	15	16	15	14	15	15	14	15	14	15	
4	15	15	14	15	14	14	16	15	15	15	***	15	16	16	15	15	14	14	14	15	18	21	18	19	16	
5	28	25	17	18	19	20	28	27	20	20	21	18	17	16	15	16	15	15	17	19	18	18	16	21	19	
6	22	22	15	17	18	19	22	26	22	18	20	16	18	***	16	16	16	17	16	16	16	19	20	22	19	
7	21	17	21	31	34	38	26	24	22	21	20	19	18	17	16	16	15	16	17	18	21	16	17	17	21	
8	17	19	18	18	23	22	18	25	18	15	14	15	16	14	14	14	14	14	14	14	14	14	15	16	16	
9	15	14	15	14	15	15	15	14	14	14	15	14	15	14	13	13	13	13	14	17	16	14	14	14	14	
10	13	14	14	14	14	14	14	14	14	14	14	13	13	13	14	14	14	13	13	13	13	13	13	14	14	
11	14	13	13	13	14	15	16	16	16	13	***	13	13	13	13	15	13	13	13	14	17	16	15	13	14	
12	14	16	16	18	18	16	16	17	14	15	14	14	12	***	14	14	13	13	14	15	17	23	26	26	16	
13	19	18	22	23	26	22	17	16	16	16	17	16	17	16	16	16	16	14	14	15	15	16	17	17	17	
14	16	20	17	19	20	20	19	18	16	17	16	15	16	16	17	17	17	14	13	13	17	20	18	20	17	
15	16	16	16	15	17	18	20	18	17	15	14	14	13	13	13	14	15	13	13	12	13	12	13	13	15	
16	12	11	11	12	12	12	12	12	12	12	11	11	12	12	13	12	12	12	12	12	12	13	13	12	12	
17	13	13	14	14	14	16	16	16	15	13	14	13	15	13	14	14	15	14	14	17	16	17	18	19	15	
18	16	17	18	18	18	19	21	21	19	17	***	21	27	22	21	17	16	17	17	17	19	23	21	22	19	
19	26	29	26	23	22	23	27	31	26	24	21	19	18	19	21	17	16	17	18	20	22	22	21	22	22	
20	21	22	23	22	26	26	25	26	25	23	22	21	19	18	19	14	13	13	13	14	11	12	12	13	15	18
21	15	16	18	22	24	25	17	18	17	19	***	15	20	27	24	14	14	14	15	15	25	21	19	18	19	
22	21	17	18	17	15	16	19	17	15	15	15	14	14	14	13	14	12	14	15	15	17	16	15	16	16	
23	18	17	14	11	11	11	12	12	12	12	12	12	12	12	12	12	12	***	11	12	12	12	12	13	12	
24	13	13	13	14	16	17	18	16	15	15	14	13	13	14	14	13	13	12	12	12	13	13	13	14	14	
25	15	16	23	27	29	27	23	20	15	14	31	19	17	16	15	14	14	13	13	13	14	17	18	24	19	
26	19	18	17	18	19	19	18	18	17	16	17	15	14	14	15	15	15	14	13	13	14	14	14	14	16	
27	13	13	13	15	14	15	16	17	18	16	16	17	17	17	17	18	19	21	16	16	15	13	13	13	16	
28	14	14	15	14	14	14	15	17	15	14	14	13	13	14	14	14	14	14	14	15	14	19	14	14	14	
29	16	17	18	20	22	16	17	15	13	14	15	16	14	14	15	15	14	14	13	13	13	13	13	13	15	
30	13	13	13	13	13	13	13	13	13	13	13	13	12	13	13	13	13	13	13	14	14	19	21	20	14	
31	20	18	19	18	16	15	15	15	15	15	***	14	14	15	16	15	17	16	17	16	19	17	18	20	17	
MEAN	17	17	17	17	18	18	18	18	16	16	16	15	15	15	15	15	15	14	14	14	15	16	17	17	16.2	

PERCENTAGE OF DATA VALID - 98.8      PERCENTAGE OF DATA INVALID - 1.2      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS																UNITS - 0.1 PARTS/MILLION																			
STATION - C NO 35033																EVANS/ARNOLD AVE. ETOBICOKE										MONTH - AUG 78									
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
DAY																																			
1	24	23	20	21	21	22	24	24	19	17	17	18	19	17	17	17	18	15	17	21	23	27	25	26	21										
2	34	32	35	37	26	27	30	26	23	19	19	19	18	19	18	16	15	15	15	16	16	21	21	22	22										
3	18	16	17	22	22	18	20	21	17	17	17	16	16	***	25	23	19	17	16	17	16	15	15	18											
4	14	14	14	13	14	16	17	18	15	15	14	14	14	14	14	14	14	14	14	17	18	17	19	20	16										
5	23	22	29	18	18	18	19	19	17	18	16	14	13	13	13	13	13	13	13	13	16	16	17	18	17										
6	21	21	36	31	29	23	18	16	16	16	18	17	15	14	14	14	14	14	15	16	21	23	28	19											
7	35	33	22	40	22	24	25	24	21	19	16	14	***	14	14	14	13	13	13	14	15	15	20	23	20										
8	24	21	18	22	26	24	24	28	19	15	15	15	16	16	15	18	15	13	13	13	13	12	12	18	16										
9	12	12	12	13	13	13	15	21	26	17	17	16	23	19	19	19	17	14	14	13	14	14	14	14	16										
10	18	14	13	13	13	14	15	17	17	17	15	16	14	14	***	14	15	14	15	18	16	21	38	39	17										
11	27	22	24	28	34	32	34	35	27	16	15	14	16	***	15	16	15	14	14	15	16	15	21	27	21										
12	22	22	21	19	19	21	21	22	19	17	16	15	14	14	13	13	12	13	14	15	16	18	18	17											
13	22	23	25	25	19	19	23	24	17	16	16	15	14	14	13	13	13	14	18	26	27	17	28	25	19										
14	45	40	31	38	33	30	25	29	30	24	19	17	16	16	15	15	16	17	18	16	17	20	30	31	25										
15	19	17	18	18	19	21	22	22	20	19	17	16	16	18	17	16	15	16	15	19	16	14	14	15	17										
16	14	16	14	16	16	16	17	17	18	21	16	15	15	15	15	14	14	14	14	14	16	18	18	25	15										
17	14	13	14	13	13	13	15	15	15	15	15	15	15	15	15	15	14	13	13	13	13	13	13	14	16										
18	24	22	19	16	22	29	29	26	19	15	15	15	16	16	15	14	13	13	13	13	12	12	12	12	14										
19	16	17	18	14	14	14	15	16	18	15	14	13	13	13	13	14	13	13	15	12	12	12	12	12	14										
20	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11										
21	17	17	16	16	16	18	21	23	23	18	16	16	17	16	16	18	18	16	14	14	15	16	23	23	18										
22	26	25	22	23	23	21	26	35	32	32	26	21	22	26	22	21	18	16	16	15	16	15	15	15	15										
23	24	18	18	17	19	25	40	40	34	25	20	18	19	17	18	19	19	19	19	17	21	28	25	27	23										
24	26	25	22	23	23	21	26	35	32	32	26	21	22	26	22	21	18	16	16	15	16	15	15	15	15										
25	15	17	17	16	16	16	17	17	16	16	15	15	14	14	14	14	14	14	15	17	21	23	20	21	19										
26	18	17	17	16	16	16	17	17	16	16	15	15	14	14	14	14	14	14	14	14	14	14	14	15	15										
27	20	20	19	22	17	15	15	15	15	15	14	13	14	14	14	14	14	14	14	14	14	14	14	15	15										
28	15	14	14	15	15	16	19	22	22	23	21	17	19	18	17	18	16	21	20	20	15	15	15	14	18										
29	14	14	14	14	15	16	18	21	20	17	19	16	16	16	16	16	15	15	15	15	16	17	20	19	16										
30	17	18	18	17	16	24	28	26	20	19	21	***	16	16	16	16	16	15	16	21	20	19	17	16	19										
31	17	17	16	16	16	18	21	23	23	18	16	16	17	16	16	18	18	16	14	14	15	16	23	23	18										
MEAN	21	20	19	20	19	20	22	23	21	18	17	16	16	16	16	16	15	15	15	16	17	18	20	21	18.2										

UNITS - 0.1 PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.1 PARTS/MILLION

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2.    \*-\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	15.7	24	42
FEB	28	19.1	22	33
MAR	26	19.7	29	62
APR	30	17.6	22	31
MAY	28	17.7	24	42
JUN	30	17.3	24	44
JUL	31	16.2	22	38
AUG	28	18.2	25	45
SEP	30	16.8	29	66
OCT	30	15.6	23	41
NOV	30	16.5	30	46
DEC	29	15.9	21	31
YEAR	349	17.2	30	66

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141 - 200	201 & OVER	TOTAL
JAN	6	627	76	4	0	0	0	0	713
FEB	0	416	249	3	0	0	0	0	668
MAR	0	444	163	43	1	0	0	0	651
APR	0	595	110	1	0	0	0	0	706
MAY	2	520	156	18	0	0	0	0	696
JUN	0	575	117	16	0	0	0	0	708
JUL	0	621	109	5	0	0	0	0	735
AUG	1	494	164	29	0	0	0	0	688
SEP	0	606	83	23	1	0	0	0	713
OCT	7	608	91	10	0	0	0	0	716
NOV	10	547	122	25	0	0	0	0	704
DEC	0	636	71	1	0	0	0	0	708
YEAR	26	6689	1511	178	2	0	0	0	8406

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.0	10	12.3	14.2	15.7	17.6	21.9	25.3	30.4	34.5	66	17.2

POLLUTANT - TOTAL HYDROCARBONS															UNITS - 0.1 PARTS/MILLION										
STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - JAN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	15	15	17	17	17	16	15	16	17	18	18	17	17	16	15	15	16	16	15	14	14	14	15	16
2	15	15	15	15	14	14	15	17	16	17	18	17	18	17	19	19	23	19	22	23	20	19	19	17	18
3	17	17	17	19	21	20	22	23	23	21	22	20	18	17	16	17	17	19	20	20	23	24	23	22	20
4	22	21	21	20	33	22	22	25	27	22	22	****	23	23	22	22	23	24	23	23	22	23	22	23	23
5	23	22	21	20	19	19	21	27	40	36	27	24	24	23	25	23	23	22	25	30	29	30	28	27	25
6	25	23	21	20	20	20	22	20	20	20	17	17	17	18	18	17	17	18	17	18	18	17	18	18	19
7	17	17	18	19	19	19	19	21	22	19	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	19	19	18	19	20	19	20	21	23	22	21	19	20	19	19	19	20	20	21	22	21	21	21	20	20.0

PERCENTAGE OF DATA VALID - 20.6 PERCENTAGE OF DATA INVALID - 77.8 PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE													MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9	24	21	21	20	20	20	20	24	27	26	21	20	21	***	21	20	19	18	19	20	28	29	29	26	27	
10	23	22	22	22	21	22	22	24	34	33	22	21	20	19	19	19	19	20	21	21	20	21	24	24	22	
11	26	25	21	19	20	20	20	20	19	19	19	19	19	20	20	20	19	19	18	21	24	23	23	22	21	
12	19	19	20	21	20	20	20	20	21	21	21	20	19	19	19	20	20	19	19	19	19	20	19	21	20	
13	23	22	23	21	21	21	21	22	23	23	23	***	22	21	21	22	22	22	22	23	23	23	21	21	22	
14	21	23	22	21	21	20	20	21	25	22	21	21	21	19	19	19	19	20	22	23	25	25	24	22	22	
15	21	23	23	22	22	22	22	27	28	29	25	23	23	23	23	23	23	23	23	26	32	30	35	25	25	
16	27	27	28	28	26	25	26	27	30	28	25	25	23	23	23	23	23	23	23	22	22	23	24	23	25	
17	21	21	21	21	22	21	21	24	25	22	23	23	25	22	23	23	22	22	23	25	25	22	23	24	23	
18	28	26	26	26	25	25	27	27	26	24	23	24	24	24	23	22	21	21	22	22	22	23	23	26	24	
19	25	23	22	22	23	23	23	24	23	23	22	22	21	21	21	21	21	21	22	22	22	23	25	24	23	
20	25	24	24	23	24	29	26	26	29	32	31	27	***	24	22	22	22	22	23	24	24	23	23	23	25	
21	24	24	23	22	21	22	23	25	25	23	22	21	21	21	21	20	20	21	22	22	20	21	21	20	22	
22	19	19	21	20	20	19	20	23	22	19	18	***	18	18	17	18	18	18	18	20	19	20	21	23	19	
23	25	23	32	25	23	26	22	23	28	24	24	25	***	25	27	27	26	25	26	25	25	25	25	25	25	
24	24	23	25	23	22	22	24	25	23	22	22	***	20	20	21	22	23	24	23	24	22	22	21	19	22	
25	19	18	18	18	18	19	18	19	18	20	21	21	21	21	20	18	17	17	18	19	22	18	18	19	19	
26	19	19	17	18	18	19	18	19	18	18	17	18	18	18	18	18	18	18	19	21	19	18	21	20	19	
27	22	21	20	19	19	20	21	21	21	19	18	***	***	20	18	19	19	20	21	26	34	29	27	30	***	
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****	
MEAN	23	22	23	22	21	22	22	23	24	24	22	22	21	21	21	21	21	21	21	23	24	23	23	23	22.2	

PERCENTAGE OF DATA VALID - 68.3 PERCENTAGE OF DATA INVALID - 28.1 PERCENTAGE OF DATA UNAVAILABLE - 3.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS															UNITS - 0.1 PARTS/MILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	23	22	21	21	22	21	23	23	22	21	21	21	20	19	20	20	20	21	20	19	20	19	20	20		
2	20	20	20	19	19	20	24	25	26	27	23	22	20	19	19	19	20	20	20	21	23	22	25	27	22	
3	27	22	22	22	23	24	19	20	21	21	21	***	22	20	20	20	19	19	19	19	18	18	18	18	21	
4	17	17	17	18	18	18	17	17	17	17	17	17	16	16	16	16	16	16	17	19	22	22	21	19	18	
5	17	18	19	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	19	20	21	23	20	21	18	
6	20	22	20	22	22	24	30	38	27	20	21	21	***	20	19	19	20	20	22	25	26	23	23	23	23	
7	25	21	22	22	23	23	26	27	22	22	22	23	22	***	22	22	22	23	23	22	23	23	22	22	23	
8	22	22	21	21	22	22	22	23	26	29	26	20	21	21	22	21	20	19	19	24	23	26	23	24	22	
9	24	24	23	24	23	23	25	28	26	28	22	23	21	20	18	19	19	18	20	25	19	20	21	22	22	
10	23	23	23	25	23	21	22	23	22	23	22	***	24	21	19	19	19	19	21	28	28	23	28	26	23	
11	27	29	27	26	27	24	24	23	24	24	23	23	22	22	22	21	19	22	24	23	25	23	22	25	24	
12	26	22	23	24	25	23	27	22	23	21	21	21	20	20	20	19	19	21	21	26	29	27	25	26	23	
13	25	25	27	26	25	26	31	34	36	25	24	21	***	21	20	21	21	21	20	21	21	22	22	22	24	
14	20	20	20	19	19	18	18	19	19	20	17	17	19	23	22	19	19	19	19	21	21	22	20	19	19	
15	19	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	21	22	22	19	
16	21	21	21	21	21	21	22	22	25	25	23	21	20	21	20	20	20	20	20	20	20	20	20	20	21	
17	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	18	18	20	22	21	21	19	20	
18	21	21	21	21	21	21	21	21	21	21	22	23	24	23	22	23	25	23	22	21	21	20	20	20	22	
19	20	23	23	19	17	17	17	17	17	17	17	17	16	16	16	16	16	16	17	17	18	19	21	21	18	
20	21	21	21	21	21	22	23	23	24	20	19	19	19	19	21	21	19	19	19	20	20	20	20	20	21	
21	21	23	27	27	27	28	28	40	42	34	19	21	25	21	19	18	18	17	18	18	18	17	18	18	23	
22	19	18	18	18	18	18	18	20	20	19	18	18	21	19	18	18	18	20	21	21	20	20	21	19	19	
23	21	19	20	20	23	26	31	23	21	20	19	18	18	18	18	18	17	17	19	26	23	25	21	20	21	
24	20	21	21	22	22	22	22	23	23	23	24	23	24	24	24	24	24	24	24	24	24	24	24	24	23	
25	25	25	25	25	25	25	25	23	23	24	24	23	23	23	23	23	23	22	22	23	23	23	23	23	24	
26	23	23	23	23	23	22	22	21	21	21	21	21	22	21	21	20	21	21	22	21	13	***	***	***	21	
27	DATA INVALID -															22	20	21	19	19	21	21	21	20	22	***
28	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	22	20	21	19	19	21	21	21	20	22	***
29	21	20	19	19	19	18	18	21	20	19	19	19	19	18	18	18	18	19	19	19	20	20	21	22	19	
30	21	21	20	20	21	20	20	21	21	21	20	19	19	18	17	17	17	16	17	18	19	20	20	19	19	
31	19	19	19	19	21	22	23	30	29	20	20	21	***	21	21	20	19	19	19	19	19	19	19	19	21	
MEAN	22	21	21	21	22	22	22	24	23	22	21	20	20	20	20	20	19	19	20	21	21	21	21	21	21.1	

PERCENTAGE OF DATA VALID - 93.5 PERCENTAGE OF DATA INVALID - 6.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS															UNITS - 0.1 PARTS/MILLION										
STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	20	21	22	25	24	27	22	21	18	17	16	15	15	15	15	14	14	14	15	15	15	16	17	18
2	17	18	19	19	20	20	21	22	22	22	23	22	23	22	22	21	21	21	21	20	20	22	23	24	21
3	24	25	22	21	19	19	19	19	19	19	19	19	***	21	21	21	21	21	21	21	20	22	20	21	20
4	21	20	21	21	20	20	19	20	20	20	19	19	19	18	18	18	18	21	20	21	22	21	18	17	20
5	18	18	17	17	17	18	18	18	18	18	18	18	18	***	20	19	19	19	19	19	24	25	24	22	19
6	23	23	22	24	25	27	31	25	22	20	19	18	18	20	19	19	19	19	19	20	20	20	20	19	21
7	19	20	21	19	19	19	18	18	18	17	17	18	18	17	17	17	17	16	16	17	17	16	16	16	18
8	17	18	18	18	18	18	18	18	18	19	19	19	18	18	17	17	17	17	17	18	19	20	21	18	
9	22	22	22	22	22	22	22	21	21	20	20	19	19	19	19	19	18	18	19	20	20	23	22	21	20
10	19	18	18	18	18	18	18	18	19	19	19	19	19	19	19	18	18	18	18	18	18	18	18	18	18
11	18	18	18	18	18	18	18	18	18	18	21	22	***	21	19	19	19	18	19	21	21	22	19	21	19
12	20	19	18	18	18	18	20	21	21	20	19	20	19	18	19	19	19	21	24	25	25	24	22	19	20
13	21	22	26	21	23	22	20	18	17	17	17	18	17	17	17	17	17	17	16	16	17	16	16	18	18
14	16	16	18	18	16	17	17	17	18	18	17	17	16	16	17	16	17	18	18	19	19	21	20	21	18
15	22	23	22	23	28	26	24	22	20	20	20	20	20	20	20	19	19	19	19	19	21	21	20	18	21
16	19	19	19	19	18	18	18	17	19	19	19	19	19	18	18	19	19	19	19	20	21	21	20	18	19
17	18	18	18	18	18	19	20	19	19	19	19	19	19	18	18	17	20	20	21	24	28	23	22	21	20
18	19	19	20	20	21	26	25	24	23	19	18	19	20	18	18	17	16	15	15	15	14	14	14	15	19
19	16	16	16	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	16	16	16
20	17	17	18	19	18	18	18	18	18	17	17	17	18	18	18	18	18	18	19	18	18	18	18	18	18
21	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
22	15	15	15	15	15	14	15	14	15	13	13	12	12	12	12	12	12	12	12	14	15	13	14	16	14
23	19	21	22	25	31	22	19	17	17	18	16	16	15	17	15	15	14	16	17	21	23	25	26	22	20
24	22	23	23	19	19	22	21	20	21	21	19	18	***	17	17	17	18	16	18	16	17	17	17	17	19
25	16	16	17	17	17	19	19	18	21	19	17	17	16	18	18	19	19	22	22	23	24	24	28	19	19
26	29	27	26	27	27	27	28	27	22	21	20	20	20	20	20	20	21	22	22	24	28	27	22	23	24
27	22	21	22	21	20	20	20	21	21	22	21	22	20	20	20	19	19	20	20	20	23	25	23	22	18
28	17	17	17	17	17	18	18	17	17	17	18	18	18	18	17	17	17	17	17	17	17	17	17	18	18
29	22	22	22	21	20	20	19	18	18	18	17	17	18	17	17	16	16	16	16	16	16	17	17	18	18
30	20	20	19	19	20	22	20	19	18	18	17	16	16	16	16	16	15	15	15	15	16	17	17	18	18
MEAN	20	20	20	20	20	20	20	19	19	19	18	18	18	18	18	18	18	18	18	18	19	20	20	19	19

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - MAY 78											
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	19	19	19	19	20	20	21	18	18	18	16	15	15	15	14	14	15	15	15	16	17	18	18	17
2	18	19	20	21	22	22	21	17	16	15	15	15	15	15	15	14	14	15	16	18	17	16	17	16	17
3	15	16	16	18	18	19	19	19	18	18	18	18	18	18	18	18	18	17	17	17	18	21	21	21	18
4	20	22	23	21	21	22	24	22	20	19	18	18	17	17	17	17	18	18	18	19	19	20	21	20	20
5	18	19	19	21	21	22	21	20	20	20	20	20	21	19	18	18	19	20	20	20	20	19	20	19	20
6	20	19	19	19	19	18	20	19	19	19	18	18	17	18	17	18	17	18	18	21	22	20	19	20	19
7	21	17	16	16	16	16	16	15	15	16	14	14	16	15	14	16	16	16	17	17	17	17	18	19	16
8	20	20	20	20	18	18	19	21	21	21	21	21	21	21	20	19	19	19	18	20	26	21	22	22	20
9	24	23	24	23	23	24	27	25	23	24	23	22	25	26	22	22	21	21	23	22	22	23	20	19	23
10	19	19	19	18	18	18	19	18	18	18	18	17	17	17	17	17	17	17	17	19	21	22	22	30	19
11	25	27	27	27	26	27	26	23	22	20	20	21	21	21	21	20	20	20	22	24	24	25	26	22	23
12	22	22	21	22	22	20	24	24	21	21	21	21	21	21	21	15	15	13	14	13	15	17	17	19	18
13	16	17	17	17	17	16	15	14	15	15	15	15	18	17	16	15	15	19	21	17	16	17	17	17	17
14	17	16	15	16	17	17	16	17	18	17	17	18	18	17	17	17	18	18	17	17	17	17	17	17	17
15	18	17	17	17	18	17	18	18	18	18	18	18	18	18	18	18	17	18	17	19	18	18	17	18	18
16	20	19	19	18	18	19	20	20	21	18	19	21	21	20	19	17	17	19	19	22	27	25	22	18	20
17	18	17	17	16	17	20	20	21	18	18	16	18	18	18	18	17	16	15	16	16	17	19	18	18	17
18	19	23	30	19	25	32	23	23	26	28	22	22	26	26	26	21	21	22	23	24	31	29	40	31	25
19	27	28	31	34	33	37	39	32	28	27	24	24	24	24	24	21	19	19	19	20	22	27	37	37	33
20	25	26	28	28	30	28	27	28	29	27	27	27	27	26	27	29	30	25	27	29	28	30	28	31	28
21	26	26	25	24	24	24	24	24	24	25	24	26	28	28	28	28	29	29	28	30	30	30	32	33	34
22	29	30	31	33	33	36	30	32	28	26	27	26	26	25	25	26	26	26	25	26	33	41	29	29	29
23	29	25	25	27	26	26	28	27	26	22	21	21	16	16	16	16	15	16	17	15	13	18	24	33	22
24	36	51	23	25	26	29	21	25	28	23	21	19	19	19	19	19	19	19	19	22	30	33	31	25	25
25	28	26	21	20	22	21	22	21	19	19	18	18	19	18	17	17	18	18	19	23	25	23	22	23	21
26	23	22	24	24	20	21	19	19	18	18	19	19	19	21	19	21	18	21	22	23	30	36	34	30	23
27	28	32	29	27	28	28	35	31	25	23	25	23	23	22	23	23	23	23	23	22	25	27	26	35	26
28	35	34	25	26	30	28	32	25	24	23	24	22	21	20	21	20	20	20	20	22	26	26	28	30	25
29	31	32	28	41	27	29	29	29	23	25	29	29	29	29	29	18	17	17	17	18	19	22	24	26	28
30	28	27	24	26	34	23	23	23	21	18	17	17	17	18	18	18	18	19	22	20	19	26	40	20	22
31	25	31	34	21	21	24	22	19	19	19	19	19	19	19	19	27	25	25	25	25	26	29	28	29	25
MEAN	23	24	23	23	23	23	23	23	21	21	20	20	20	20	19	19	19	19	20	21	22	24	25	24	21.8

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - TOTAL HYDROCARBONS														UNITS - 0.1 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - JUN 78													
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	30	29	30	32	32	29	27	28	28	26	26	25	26	27	26	27	26	26	27	30	31	30	33	34	29		
2	36	33	35	40	72	31	37	39	36	39	29	29	28	28	28	28	28	29	27	28	32	32	35	34			
3	27	27	29	31	29	29	27	27	27	28	27	29	28	26	25	25	24	24	25	27	29	34	39	38			
4	37	36	35	36	35	35	37	32	36	34	32	30	29	28	28	28	30	32	34	35	45	35	35	41			
5	35	31	33	32	34	31	28	26	25	25	25	25	22	22	21	21	21	20	21	22	28	27	29	28			
6	28	29	31	35	32	33	30	30	30	29	28	29	29	26	26	27	28	27	28	29	29	31	31	35			
7	41	40	34	35	30	35	35	34	32	29	28	27	22	21	21	21	24	25	25	28	25	22	18	18			
8	20	22	24	24	25	25	30	24	17	18	17	16	16	16	16	16	16	16	16	17	16	15	16	17			
9	17	18	18	18	18	17	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19			
10	29	30	28	27	29	27	26	26	27	27	27	26	25	25	24	24	24	24	24	25	28	29	36	29			
11	34	38	29	26	25	25	28	26	27	26	24	24	23	22	21	22	22	22	22	22	21	22	24	23			
12	23	22	22	22	22	21	22	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21			
13	17	17	16	16	17	17	16	17	17	16	17	16	16	16	16	16	16	16	16	16	16	16	16	16			
14	24	23	24	24	24	25	24	22	22	22	22	22	22	23	23	23	22	22	22	23	23	25	24	23			
15	24	24	24	24	23	24	23	23	22	21	22	22	22	22	22	22	22	22	22	23	22	25	24	29			
16	31	34	29	26	25	26	24	23	24	23	22	22	21	21	21	22	23	25	23	22	22	25	25	24			
17	23	25	25	24	27	29	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23			
18	- DATA INVALID -																										
19	25	24	23	25	26	24	25	26	26	24	23	22	22	22	22	22	22	22	22	22	22	22	22	22			
20	25	24	23	25	26	24	25	26	26	24	23	22	22	22	22	22	22	22	22	22	22	22	22	22			
21	29	30	29	31	24	24	24	28	29	28	23	23	25	22	20	20	20	19	18	19	21	23	23	22			
22	24	22	22	22	21	21	21	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19			
23	22	21	21	21	23	23	22	20	20	20	20	21	20	20	20	20	20	20	20	20	20	20	20	20			
24	26	27	27	24	23	23	22	20	20	20	20	21	20	20	22	21	22	20	21	21	26	31	30	27			
25	27	26	29	28	26	28	26	25	28	26	20	20	20	19	19	20	19	19	19	19	20	23	25	30			
26	31	30	27	25	26	28	22	21	21	27	23	21	19	16	17	15	15	16	16	16	16	16	17	17			
27	17	17	17	19	23	24	21	18	19	17	17	17	18	16	15	15	15	15	15	16	17	16	17	18			
28	18	18	19	18	18	19	18	18	18	19	19	19	19	19	19	20	20	21	19	21	23	25	27	24			
29	25	22	23	23	22	22	21	20	19	18	18	17	21	18	17	17	17	17	17	17	17	17	17	17			
30	20	19	19	19	19	19	19	20	20	19	18	18	18	17	16	15	16	16	16	17	19	18	17	18			
MEAN	26	26	26	26	27	26	25	24	24	24	23	22	22	21	21	21	21	22	22	23	24	25	25	26	23.0		

UNITS - 0.1 PARTS/MILLION

STATION - C NO 44010				1298 REBECCA ST OAKVILLE												MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	18	18	19	20	20	20	20	21	20	19	18	18	18	18	18	19	20	19	20	22	26	27	28	23	20		
2	24	24	24	23	23	21	22	20	19	19	19	19	20	19	19	19	19	19	20	20	21	20	20	21	21		
3	21	21	22	21	22	21	22	22	22	23	23	24	25	25	24	24	24	24	23	24	24	23	24	23	23		
4	23	22	21	21	22	22	22	21	21	20	20	***	21	24	24	23	25	23	25	26	28	25	29	26	23		
5	28	26	28	29	30	28	29	30	32	24	21	21	***	16	14	15	17	18	17	16	19	23	24	27	23		
6	24	18	20	22	26	21	24	25	20	23	20	20	19	18	17	17	17	19	18	19	16	22	23	20			
7	20	23	23	27	24	37	26	23	21	19	19	***	19	15	14	13	11	10	9	9	8	9	11	13	17		
8	14	15	17	17	19	21	23	21	19	18	18	16	14	13	13	13	14	14	16	17	18	20	23	25			
9	23	24	24	24	23	26	26	24	24	24	24	24	24	24	23	23	20	22	23	25	27	23	22	18	23		
10	***	***	***	***	***	***	***	***	***	***	***	***	18	17	16	13	13	13	14	14	14	14	14	15	***		
11	15	14	14	14	15	14	15	15	15	15	14	15	15	15	16	15	15	16	17	35	25	18	19	19	17		
12	18	18	22	20	17	17	17	16	16	14	12	12	12	11	11	11	12	10	11	15	22	25	27	16			
13	24	24	22	22	22	24	20	19	19	20	20	18	17	16	15	15	16	16	16	16	23	20	20	19	19		
14	18	19	21	22	22	22	23	22	21	21	19	***	20	19	17	17	18	18	18	18	19	26	26	25	20		
15	23	24	27	24	24	24	22	27	25	25	19	16	13	10	9	8	6	5	4	4	4	8	9	11	15		
16	15	18	21	21	21	22	22	21	22	23	25	22	21	19	17	17	17	17	14	15	16	17	19	20	19		
17	20	19	19	19	21	22	24	22	22	21	20	***	17	14	13	14	13	12	17	20	18	20	22	23	19		
18	23	27	25	25	23	23	22	22	23	20	21	21	20	13	10	7	5	***	***	***	***	***	5	9	18		
19	9	16	12	11	14	13	15	14	12	10	6	2	***	***	***	***	***	***	***	***	***	1	3	4	11		
20	14	14	15	24	17	35	15	16	16	13	7	3	***	***	***	***	***	***	***	***	***	***	2	***	18		
21	6	9	17	37	51	38	16	19	21	22	23	23	27	***	19	26	26	23	23	22	25	26	23	32	24		
22	26	19	19	18	18	18	20	29	24	22	21	18	17	15	13	16	13	12	11	12	15	14	14	14	17		
23	16	16	20	21	20	18	18	16	15	14	14	13	12	13	13	13	13	16	17	18	18	19	19	16	16		
24	20	20	22	22	23	23	22	24	26	24	23	22	***	***	***	***	***	***	***	***	***	***	***	***	***		
25	- DATA INVALID -																										
26	- DATA INVALID -																										
27	- DATA INVALID -																										
28	- DATA INVALID -																										
29	- DATA INVALID -																										
30	- DATA INVALID -																										
31	- DATA INVALID -																										
MEAN	19	19	21	22	22	23	21	21	21	20	19	18	18	17	16	16	16	16	17	18	18	19	19	19	19		

PERCENTAGE OF DATA VALID - 70.3      PERCENTAGE OF DATA INVALID - 29.7      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*.\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17	18	16	15	18	24	18	19	19	16	16	17	17	17	***	19	19	19	19	19	19	20	24	25	23	
18	25	25	23	23	21	21	22	21	24	24	23	20	20	19	19	19	19	16	17	17	18	18	18	21	
19	22	24	26	22	20	19	29	23	19	21	19	18	19	18	17	17	18	17	18	16	16	16	16	16	
20	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	16	17	18	18	18	17	18	19	19	
21	18	17	17	17	18	18	19	18	19	21	21	20	14	14	14	13	14	13	13	13	16	17	17	17	
22	18	18	20	19	18	19	23	22	23	25	24	21	22	20	19	20	18	19	17	22	26	29	21	17	
23	18	18	18	19	29	37	27	25	23	22	21	20	22	22	19	19	19	18	21	39	30	24	22	22	
24	22	23	22	21	21	22	21	21	21	20	19	18	19	19	22	23	22	21	18	18	18	17	18	18	
25	18	20	20	20	19	19	19	19	21	22	20	18	17	18	19	19	22	25	19	19	22	24	24	22	
26	21	20	20	19	19	20	21	21	21	19	22	20	18	18	19	19	20	21	20	19	22	21	20	18	
27	17	17	18	18	19	18	18	18	17	18	18	18	17	17	17	17	17	17	16	16	16	16	16	16	
28	16	16	16	16	16	17	19	37	21	20	20	***	19	19	21	15	17	17	19	18	19	17	18	18	
29	17	22	21	18	17	17	18	18	17	16	16	16	15	15	15	15	15	15	15	25	23	18	18	18	
30	19	18	18	18	19	20	27	27	25	27	25	23	***	19	19	18	18	27	23	24	20	18	17	17	
31	17	18	19	18	18	18	19	20	21	22	22	21	19	18	17	17	17	17	19	21	25	25	24	22	
MEAN	19	19	19	19	20	20	21	22	20	21	20	19	18	18	18	18	18	18	19	18	20	20	19	19	19

PERCENTAGE OF DATA VALID - 48.4      PERCENTAGE OF DATA INVALID - 26.1      PERCENTAGE OF DATA UNAVAILABLE - 25.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    " " INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS													UNITS - 0.1 PARTS/MILLION												
STATION - C NO 44010 1298 REBECCA ST OAKVILLE													MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	20	20	20	20	20	21	21	21	20	21	21	19	19	17	16	16	17	18	17	17	24	24	23	20
2	28	32	31	27	26	26	22	22	19	18	17	16	14	14	13	13	13	13	13	16	14	15	15	19	
3	17	17	16	16	21	17	15	16	16	15	14	15	15	15	15	14	14	12	13	13	13	13	13	15	
4	14	14	14	14	15	15	15	14	14	14	15	15	15	15	17	15	14	14	15	17	18	21	18	18	
5	19	26	20	18	25	20	20	20	20	17	19	***	19	19	17	16	16	17	18	18	19	21	32	26	20
6	20	20	22	21	20	22	23	25	22	21	20	19	18	17	17	18	22	23	25	22	21	20	20	19	21
7	20	20	20	26	20	19	21	22	20	20	20	***	21	20	20	20	20	20	20	20	19	19	19	19	20
8	20	20	20	20	20	20	20	21	21	21	21	21	21	21	20	20	20	21	23	26	24	24	25	22	21
9	24	23	24	22	22	20	19	20	20	20	21	20	20	20	19	19	20	20	21	20	21	23	22	21	21
10	22	21	21	22	23	23	24	22	22	22	22	23	22	21	21	21	21	22	21	23	25	24	26	28	23
11	25	24	24	25	28	29	25	27	24	24	23	22	****	21	21	22	23	25	26	24	25	22	25	24	24
12	24	21	20	19	20	20	23	23	24	23	24	22	21	21	21	21	21	20	20	19	19	19	19	21	
13	19	19	19	19	20	19	20	20	19	19	19	19	18	18	17	17	17	17	16	15	15	16	15	18	
14	15	15	15	15	15	15	15	16	17	17	17	18	18	18	18	18	20	21	18	20	19	19	21	20	18
15	20	21	19	18	18	19	22	19	19	19	19	20	18	17	17	18	19	18	18	18	18	18	18	17	19
16	17	18	18	20	18	19	20	20	19	18	18	18	17	17	17	17	17	18	18	18	18	18	19	20	19
17	21	21	21	19	19	19	22	24	24	19	20	17	18	17	17	17	18	18	18	18	18	19	19	19	19
18	19	19	18	18	18	18	18	18	17	18	****	****	19	18	18	17	17	17	17	16	18	19	19	18	18
19	17	17	17	17	17	17	19	19	20	21	20	21	21	19	18	18	18	18	19	20	21	23	23	26	19
20	23	23	26	29	28	26	26	26	25	25	21	21	****	21	22	21	21	22	24	28	25	31	32	34	25
21	33	43	47	45	41	28	25	26	24	22	22	22	21	20	20	20	20	21	21	21	21	20	20	20	26
22	20	20	20	20	20	21	21	22	22	22	21	***	20	19	20	19	19	20	25	26	21	23	23	22	21
23	23	22	22	23	23	23	24	23	22	24	23	24	22	21	21	21	20	22	24	24	25	28	29	28	23
24	29	26	25	26	26	25	23	23	24	25	26	21	19	19	19	19	20	24	25	29	24	22	22	23	23
25	21	20	19	19	20	20	21	20	19	19	19	19	***	19	19	19	19	19	19	19	19	20	20	21	20
26	22	23	23	21	22	24	26	26	25	23	21	22	21	21	21	21	21	22	22	23	24	25	30	33	24
27	35	25	24	23	23	24	25	24	24	23	22	23	21	21	21	22	22	24	23	24	23	22	22	22	23
28	19	19	20	20	21	20	21	20	19	19	19	19	19	18	19	20	22	22	24	25	22	24	27	26	21
29	24	23	23	22	23	24	27	27	31	25	23	22	****	22	21	21	21	20	20	20	21	22	25	27	23
30	28	29	27	26	26	26	27	28	27	23	21	21	20	21	21	21	22	23	23	22	22	22	23	24	24
MEAN	22	22	22	22	22	21	22	22	21	21	20	20	19	19	19	19	19	19	20	21	21	21	22	22	20.7

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS												UNITS - 0.1 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	22	28	29	21	21	21	22	20	21	19	20	19	19	19	19	20	21	23	20	20	20	20	20	21
2	20	20	21	21	21	22	21	24	22	21	20	21	****	****	****	****	****	****	****	****	****	****	****	****	****
3													- DATA INVALID -												
4													- DATA INVALID -												
5													- DATA INVALID -												
6													- DATA INVALID -												
7													- DATA INVALID -												
8													- DATA INVALID -												
9													- DATA INVALID -												
10													- DATA INVALID -												
11													- DATA INVALID -												
12													- DATA INVALID -												
13													- DATA INVALID -												
14													- DATA INVALID -												
15													- DATA INVALID -												
16													- DATA INVALID -												
17													- DATA UNAVAILABLE -												
18													- DATA UNAVAILABLE -												
19													- DATA UNAVAILABLE -												
20													- DATA UNAVAILABLE -												
21													- DATA UNAVAILABLE -												
22													- DATA UNAVAILABLE -												
23	****	****	****	****	****	****	****	****	****	****	****	****	****	22	22	21	19	19	18	18	17	21	24	23	*****
24	21	21	24	23	21	22	23	33	33	25	21	21	****	21	21	21	19	18	18	18	19	22	29	27	23
25	21	19	19	19	21	22	21	22	22	21	21	21	22	20	19	19	19	20	25	20	19	19	19	22	21
26	20	22	22	19	19	19	24	19	20	19	19	19	19	18	18	19	19	19	19	20	21	19	20	20	20
27	20	20	19	18	18	18	22	22	23	20	20	19	****	21	19	16	17	19	20	21	21	21	19	20	20
28	21	19	19	25	19	19	20	21	21	19	19	19	19	19	19	19	18	18	18	18	18	18	18	18	19
29	18	18	19	19	19	19	20	21	21	22	23	21	21	21	20	19	19	18	18	17	20	20	18	18	20
30	18	20	21	23	21	21	22	29	31	25	20	20	****	13	12	14	18	28	28	34	35	35	23	18	23
31	17	18	21	22	25	21	23	24	24	23	22	21	21	22	22	18	22	18	19	18	20	22	18	17	21
MEAN	20	20	21	22	21	20	22	24	24	22	20	20	20	20	19	19	19	20	21	20	21	22	21	20	20.7

PERCENTAGE OF DATA VALID - 31.7

PERCENTAGE OF DATA INVALID - 58.6

PERCENTAGE OF DATA UNAVAILABLE - 9.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR D

## UNITS - 0.1 PARTS/MILLION

MONTH - NOV 78

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*-\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.1 PARTS/MILLION

MONTH - DEC 78

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*-\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	6	20.0	25	40
FEB	18	22.2	25	35
MAR	29	21.1	24	42
APR	30	19.0	24	31
MAY	31	21.6	29	51
JUN	27	23.8	34	72
JUL	21	19.0	24	51
AUG	15	19.4	23	39
SEP	30	20.7	26	47
OCT	9	20.7	23	35
NOV	8	28.0	35	43
DEC	7	22.6	28	39
YEAR	231	21.2	35	72

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141 - 200	201 & OVER	TOTAL
JAN	0	78	72	3	0	0	0	0	153
FEB	0	90	361	8	0	0	0	0	459
MAR	0	227	461	8	0	0	0	0	696
APR	0	466	246	2	0	0	0	0	714
MAY	0	331	354	46	0	0	0	0	731
JUN	0	162	430	70	1	0	0	0	663
JUL	33	231	251	8	0	0	0	0	523
AUG	0	229	128	3	0	0	0	0	360
SEP	0	267	430	14	0	0	0	0	711
OCT	0	95	135	6	0	0	0	0	236
NOV	0	21	113	64	0	0	0	0	198
DEC	0	47	139	19	0	0	0	0	205
YEAR	33	2244	3120	251	1	0	0	0	5649

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
64.5	1	16.0	18.2	20.0	22.0	26.7	29.5	34.1	36.3	72	21.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 10001					COLLEGE OF AGRICULTURAL TECH. HURON PARK										MONTH - JAN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	22	19	18	18	26	28	22	20	24	25	24	25	26	26	27	28	28	29	29	29	30	29	30	25
2	33	35	35	33	32	32	32	30	28	24	25	26	23	23	23	21	18	19	12	9	7	7	8	13	23
3	12	12	13	13	13	21	29	30	30	29	29	30	30	30	31	32	31	31	31	32	29	23	22	21	25
4	14	7	8	7	7	10	13	19	19	14	15	16	16	15	12	7	4	1	0	0	2	1	0	5	9
5	8	6	0	0	0	0	0	0	1	6	8	11	15	15	14	13	7	1	1	0	8	11	12	10	6
6	8	13	19	24	25	26	26	22	19	18	***	16	16	18	17	17	19	20	21	17	16	18	22	21	19
7	15	13	12	14	15	14	12	10	11	12	13	13	13	11	10	7	3	0	0	0	0	0	0	0	8
8	0	0	0	1	1	2	3	3	5	5	4	5	5	3	4	15	20	21	21	21	21	21	21	22	9
9	23	23	24	24	24	25	26	27	27	27	28	28	28	28	28	28	28	29	30	30	30	30	30	30	27
10	30	31	31	31	31	32	32	31	32	32	33	33	33	33	31	32	32	33	33	33	34	34	34	34	32
11	34	32	30	29	31	30	28	28	25	24	25	27	30	32	32	32	34	32	30	29	26	25	26	26	29
12	26	26	25	22	22	21	12	5	10	16	18	18	21	20	19	17	12	4	1	0	0	0	0	0	13
13	0	2	0	0	0	0	0	2	4	10	18	21	23	24	25	27	25	24	24	25	24	23	25	26	15
14	28	28	29	31	31	30	29	30	31	30	30	31	32	32	32	32	31	30	29	29	29	30	30	28	30
15	26	25	20	25	25	25	26	26	26	26	28	31	32	32	33	34	32	30	29	31	32	31	30	27	28
16	26	24	17	12	12	10	8	7	10	15	18	22	32	32	33	21	20	20	20	17	15	11	7	2	16
17	0	2	5	5	6	10	16	20	22	25	28	29	32	32	32	31	30	28	25	26	27	29	30	31	22
18	30	30	30	29	30	30	28	28	27	28	30	34	35	35	37	25	6	7	18	15	5	2	6	24	
19	10	16	16	20	22	21	17	14	13	16	21	30	32	32	33	31	28	29	30	28	30	31	31	31	24
20	32	31	31	29	29	29	30	30	30	29	29	30	30	30	30	31	31	31	31	31	30	30	31	31	30
21	31	31	30	31	31	31	30	31	31	31	31	32	32	32	32	32	32	31	30	28	28	28	27	31	
22	24	24	23	21	12	8	7	7	9	12	15	22	27	30	32	32	31	22	20	20	22	17	14	10	19
23	4	0	1	2	3	9	10	7	10	15	22	25	29	31	33	31	31	32	29	25	21	16	13	20	17
24	21	19	20	14	13	15	11	13	16	22	24	30	34	34	32	33	34	32	30	27	22	15	14	14	22
25	8	5	9	8	6	2	0	1	4	11	15	17	21	25	25	21	16	11	9	7	5	2	2	7	10
26	12	13	14	13	16	7	9	15	16	18	21	22	22	24	23	27	29	29	30	31	31	31	30	30	21
27	30	30	30	30	30	30	30	30	30	32	32	32	31	31	31	31	31	31	30	30	30	31	30	30	31
28	32	32	31	32	32	31	31	31	30	30	30	30	29	30	30	29	29	30	31	31	29	28	25	23	30
29	23	20	23	21	22	26	26	23	22	22	24	27	28	28	29	28	28	29	30	30	31	31	30	30	26
30	31	31	31	31	31	32	33	34	34	32	32	34	35	35	34	34	34	34	34	30	34	22	12	4	30
31	0	0	0	0	0	0	0	1	8	14	19	24	30	31	33	35	37	36	36	36	34	28	25	25	19
MEAN	19	19	19	18	18	19	19	19	19	21	23	25	26	27	27	27	25	24	23	23	22	21	20	20	21.7

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 10001					COLLEGE OF AGRICULTURAL TECH. HURON PARK										MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	25	27	28	29	31	29	27	27	30	31	35	36	37	38	36	35	34	34	24	18	17	16	16	29
2	15	12	12	11	9	9	6	7	11	16	20	25	34	35	39	41	43	41	38	36	36	37	35	34	25
3	32	25	8	24	25	27	29	24	21	22	26	29	34	35	34	31	20	16	13	9	7	7	13	17	22
4	20	21	21	20	20	22	26	24	24	21	22	26	33	34	35	35	30	14	13	14	14	6	6	21	
5	7	7	10	10	5	1	2	3	9	12	17	20	23	26	30	30	29	26	28	29	29	29	29	18	
6	26	28	29	29	27	30	27	22	25	27	28	29	31	31	32	32	31	31	30	30	30	31	31	29	
7	30	29	29	29	29	29	29	28	28	28	28	30	32	34	34	33	30	26	22	21	16	13	9	27	
8	18	24	29	29	29	28	28	20	19	23	27	34	48	58	58	44	41	36	26	11	2	3	14	21	28
9	27	30	31	30	30	29	18	4	8	16	21	29	37	40	41	38	38	36	35	35	31	34	35	16	30
10	19	25	32	29	29	29	22	24	26	27	28	35	40	43	46	43	46	46	43	41	35	27	27	33	
11	26	26	25	25	25	25	23	23	21	24	29	35	42	44	46	45	45	48	48	42	43	42	41	39	35
12	36	34	34	32	31	31	31	32	33	34	34	35	35	37	38	39	40	41	39	38	38	37	36	34	35
13	32	30	29	29	28	28	24	22	23	28	31	32	34	35	36	36	39	39	39	39	37	34	34	32	32
14	32	32	32	32	32	29	28	27	27	25	26	31	39	43	41	39	38	36	23	13	19	25	27	26	30
15	24	27	30	30	31	31	24	21	23	26	30	34	40	45	50	50	52	52	50	48	50	52	52	51	38
16	47	42	39	37	36	35	32	31	28	28	30	35	41	44	44	42	41	45	47	45	45	41	39	28	38
17	25	20	15	14	14	15	15	15	20	26	28	31	41	45	50	50	46	44	40	37	36	37	34	27	30
18	22	17	10	2	0	0	0	7	14	17	23	31	40	43	41	37	35	35	34	25	16	7	2	2	19
19	2	6	7	11	13	15	16	19	22	25	30	34	37	37	35	34	35	32	19	23	26	18	19	21	22
20	28	36	42	42	41	41	31	27	30	33	36	39	51	56	60	63	59	42	21	35	24	18	37	35	39
21	21	25	25	32	35	37	28	21	27	33	38	44	47	46	41	40	39	38	34	32	30	31	32	29	34
22	23	20	21	17	18	26	26	29	29	32	33	34	38	38	39	39	39	39	40	40	36	32	27	31	
23	21	20	14	6	2	0	0	7	17	23	30	42	49	51	53	47	45	44	36	36	32	22	13	8	26
24	19	30	28	26	30	30	30	34	33	34	35	38	38	51	48	44	42	44	46	44	44	43	42	37	
25	39	29	26	27	25	22	22	23	25	28	33	44	50	54	56	65	64	64	56	55	51	48	47	41	41
26	35	34	31	30	29	29	30	30	29	30	32	34	36	38	39	36	36	36	35	35	32	30	31	30	31
27	32	31	31	29	27	29	28	24	25	31	35	37	41	43	43	51	49	37	30	28	32	42	40	38	35
28	36	37	38	37	36	30	20	17	25	36	45	49	53	54	59	68	68	54	56	56	57	62	57	44	46
MEAN	26	26	25	25	24	25	22	21	23	26	30	34	39	42	43	43	41	39	35	33	31	30	30	28	30.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - SW NO 10001 COLLEGE OF AGRICULTURAL TECH. HURON PARK														MONTH - MAR 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	43	36	43	48	47	44	47	47	41	39	39	39	38	42	42	42	42	39	38	39	39	22	10	19	39	
2	11	27	25	31	27	24	14	11	22	24	27	40	47	52	55	50	69	72	47	29	42	39	38	45	36	
3	47	49	46	44	43	39	25	30	29	30	36	42	49	53	57	62	61	57	52	52	53	55	52	49	46	
4	42	36	35	35	34	32	32	32	33	36	35	36	37	36	37	38	40	42	41	38	36	39	39	38	37	
5	36	37	37	37	36	37	36	33	33	35	40	47	65	65	56	54	58	59	64	64	59	53	47	43	47	
6	43	39	31	27	25	24	19	12	18	27	43	54	61	69	78	84	85	80	61	41	35	24	27	45	44	
7	43	49	56	52	51	51	50	48	47	47	52	56	63	57	57	50	44	37	12	23	31	32	31	30	45	
8	28	36	37	37	37	35	33	32	34	37	43	43	45	46	57	54	54	40	26	29	29	21	19	16	36	
9	14	21	20	19	22	20	9	11	16	20	36	54	63	60	65	70	74	68	71	63	66	61	62	59	44	
10	54	48	45	38	29	20	5	16	16	36	55	***	90	113	118	101	91	83	81	76	88	94	90	89	64	
11	89	79	68	59	55	65	66	65	71	76	74	91	100	121	132	131	131	134	134	127	125	125	119	121	98	
12	127	125	120	116	112	87	72	59	59	56	53	52	51	50	49	47	50	47	45	43	38	35	39	38	65	
13	37	36	33	38	36	35	31	35	30	35	38	40	51	57	65	74	75	74	79	77	66	49	50	54	50	
14	58	56	52	46	45	47	54	53	50	43	42	32	37	47	51	55	61	64	57	55	56	57	56	54	51	
15	54	51	47	44	44	43	42	42	41	42	42	43	40	42	42	42	41	39	40	40	36	26	29	34	41	
16	41	40	39	40	40	40	35	33	36	41	45	47	45	46	***	59	66	61	50	39	40	35	33	33	43	
17	27	40	49	45	24	23	38	47	38	38	39	41	45	51	54	55	50	44	42	40	39	39	35	35	41	
18	36	35	26	35	36	36	32	30	35	43	45	48	53	59	58	58	59	56	50	46	43	41	37	35	43	
19	35	31	25	30	35	40	41	42	43	44	44	45	45	45	45	46	47	47	46	45	44	44	43	40	39	
20	26	24	28	31	33	32	33	32	31	34	41	45	45	45	45	48	50	51	53	52	46	45	45	34	31	
21	33	29	26	22	19	16	10	9	12	14	21	32	33	32	33	37	41	42	40	40	43	43	40	40	29	
22	39	40	41	37	34	32	30	26	19	20	24	27	27	28	30	31	31	32	32	30	24	24	24	17	29	
23	20	24	26	27	29	31	32	30	27	26	26	31	46	49	49	47	44	40	37	44	39	33	32	35	35	
24	34	29	29	31	31	32	32	29	27	23	24	28	35	33	33	31	32	31	29	29	30	28	29	29	30	
25	26	29	32	36	37	37	35	33	34	35	36	38	42	41	41	42	40	37	36	35	35	35	37	38	36	
26	39	39	34	31	30	30	28	26	27	27	27	27	26	27	29	29	29	23	18	13	9	9	9	10	25	
27	13	13	18	22	24	26	25	27	28	30	31	34	34	35	36	37	38	38	39	39	40	41	40	39	31	
28	28	25	21	13	4	7	17	23	20	24	23	20	17	16	18	18	31	36	24	18	36	44	38	37	23	
29	36	36	37	33	34	32	34	35	36	32	31	28	28	31	30	30	32	34	36	37	26	22	23	24	32	
30	25	28	26	20	21	24	23	22	21	27	32	34	37	37	46	49	38	36	36	31	31	31	27	22	30	
31	15	8	10	10	12	17	13	11	6	8	16	23	29	27	26	29	31	34	32	32	34	29	22	17	20	
MEAN	39	39	37	37	35	34	32	32	32	34	37	41	46	49	51	52	53	51	47	44	44	41	39	39	40.9	

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - SW NO 10001 COLLEGE OF AGRICUTURAL TECH, HURON PARK														MONTH - APR 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	30	42	44	45	46	45	42	41	42	41	37	32	30	30	32	35	34	32	32	34	35	35	36	36	
2	38	37	38	39	39	36	37	39	40	40	40	41	40	41	41	42	42	42	37	37	38	37	36	28	39	
3	25	26	27	32	33	36	37	36	32	32	31	31	31	31	30	28	27	25	21	17	16	15	13	15	26	
4	17	17	15	12	11	9	8	6	7	8	11	16	24	25	11	9	8	10	13	13	20	27	27	27	15	
5	30	32	33	33	32	30	29	28	29	32	35	36	32	34	34	33	32	31	24	22	24	22	22	21	30	
6	25	28	26	24	25	25	18	13	15	12	19	24	24	22	18	20	20	22	21	19	19	21	22	18	21	
7	16	13	18	24	25	24	22	23	23	25	33	38	40	40	41	40	39	36	34	35	35	36	34	31	30	
8	28	29	27	26	27	27	28	27	27	27	27	27	27	29	29	30	30	31	32	32	31	29	29	29	29	
9	31	28	24	23	23	24	30	32	34	35	32	33	37	37	37	37	38	39	39	40	34	32	31	28	32	
10	24	18	20	29	32	36	29	28	26	26	27	28	27	26	25	27	28	27	21	18	18	20	22	24	25	
11	21	23	24	25	25	25	21	17	14	16	20	20	25	27	29	38	37	36	32	30	36	37	34	33	27	
12	33	32	31	30	27	25	23	24	28	30	25	29	33	34	51	56	55	50	42	36	40	37	33	34	35	
13	32	32	30	32	29	29	29	29	29	28	28	28	28	28	28	28	28	28	24	24	27	31	30	29	29	
14	32	36	36	34	34	32	32	34	38	38	39	39	38	39	40	40	38	38	38	34	31	23	32	34	35	
15	32	32	32	32	32	31	31	32	32	34	34	34	34	33	33	33	33	33	30	22	19	16	16	29	29	
16	18	18	18	21	21	26	29	29	33	33	33	35	34	34	34	34	34	31	25	22	22	17	19	17	26	
17	23	27	27	27	25	31	37	37	40	40	38	38	41	41	41	41	37	30	23	16	19	21	15	31	31	
18	23	22	21	10	20	30	36	36	42	43	43	43	40	43	43	43	40	39	33	37	34	39	39	40	35	
19	36	36	38	42	42	40	31	29	31	31	39	41	45	39	44	46	40	28	21	21	22	23	23	23	34	
20	25	27	29	29	29	32	34	34	34	34	37	37	37	35	32	32	28	28	28	28	28	30	30	30	31	
21	29	29	29	24	13	19	23	30	30	30	34	34	36	35	35	35	36	32	27	27	24	21	20	21	28	
22	20	17	14	10	10	12	21	30	31	34	34	34	35	35	35	31	19	10	0	0	4	3	1	20	20	
23	10	9	13	13	13	15	21	27	27	28	28	30	34	34	34	31	26	17	17	10	3	8	7	19	19	
24	18	16	13	11	12	11	18	22	22	30	37	43	46	46	40	35	28	21	14	7	2	10	14	14	22	
25	12	13	16	16	15	21	27	***	-	28	31	36	39	41	42	35	39	36	32	26	22	15	16	13	26	
26	8	9	10	10	11	13	14	18	27	32	32	34	38	41	38	33	34	33	33	26	20	19	15	13	23	
27	15	19	22	22	16	13	17	19	20	24	26	38	39	37	36	32	34	34	35	31	21	12	13	13	15	22
28	13	12	12	12	15	14	10	20	23	26	31	36	37	36	34	34	36	32	31	24	20	18	18	16	21	
29	6	2	0	1	4	10	11	14	22	30	41	36	36	36	34	34	36	32	31	24	20	18	16	16	21	
30	12	15	17	15	11	12	16	22	33	32	32	34	37	36	35	36	36	34	31	28	25	17	16	16	25	
MEAN	22	23	23	23	23	25	26	27	29	30	32	34	35	35	35	34	33	30	27	24	23	23	23	23	22	27.5



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - SW NO 10001 COLLEGE OF AGRICULTURAL TECH. HURON PARK													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	15	18	20	24	28	29	27	26	29	28	29	30	31	35	36	37	38	39	36	32	31	32	32	29
2	27	25	25	22	20	17	20	28	32	32	35	35	36	36	36	34	34	34	35	30	16	17	20	18	28
3	19	19	19	19	16	10	8	11	17	26	28	30	34	36	36	35	34	35	35	29	15	6	2	7	22
4	15	17	17	15	15	17	19	24	27	30	30	29	31	31	32	31	30	28	25	25	23	26	24	26	24
5	25	25	26	25	24	23	23	24	24	22	21	24	22	21	21	18	19	20	20	20	17	17	13	11	21
6	11	9	11	11	12	13	15	15	17	22	24	24	25	30	32	35	35	31	26	23	12	13	17	18	20
7	19	15	5	8	3	3	4	10	20	27	30	27	32	35	36	38	41	41	40	38	29	24	24	24	24
8	25	20	19	21	23	22	22	23	24	27	29	29	29	28	23	21	21	11	0	0	0	0	0	0	18
9	0	0	0	0	0	0	0	0	6	13	19	24	23	15	8	3	5	0	0	0	0	0	0	0	5
10	0	0	0	0	0	0	0	10	15	17	19	18	18	19	19	16	18	20	21	17	15	14	16	17	12
11	23	24	26	29	27	22	16	16	20	24	30	38	40	41	38	36	36	36	36	33	31	32	39	40	31
12	44	43	42	40	36	34	25	22	19	15	18	28	36	35	35	37	40	40	40	40	39	38	38	35	34
13	35	29	29	22	19	23	28	31	32	32	32	31	32	31	31	32	35	41	43	43	40	35	35	34	32
14	35	35	35	36	38	39	36	35	35	36	36	37	38	41	42	44	39	29	32	35	35	36	38	42	37
15	45	45	45	45	44	40	37	35	31	31	30	30	30	29	29	29	29	29	30	30	25	21	23	24	33
16	25	25	26	26	24	22	21	21	21	23	23	22	24	27	31	32	31	32	28	24	16	11	15	22	24
17	23	20	19	26	29	25	19	17	14	22	22	22	25	28	27	23	19	17	19	20	14	6	4	1	19
18	0	0	0	0	0	0	2	7	15	26	31	32	38	40	38	38	39	39	35	30	23	19	9	3	19
19	2	3	5	9	10	4	7	22	32	42	47	51	53	53	52	51	50	45	35	29	29	26	22	23	29
20	23	25	22	22	21	18	21	29	40	58	62	65	68	76	72	48	40	36	29	22	47	44	31	18	39
21	14	14	15	17	18	19	19	21	23	23	24	25	23	20	18	17	20	22	22	19	14	9	8	6	18
22	3	2	0	2	6	6	6	8	12	17	21	24	27	29	29	26	31	32	31	26	14	9	13	18	16
23	17	17	16	14	9	8	15	19	29	31	31	27	39	49	56	56	52	53	45	36	26	23	30	29	30
24	29	21	13	11	11	8	4	8	19	37	47	50	53	63	68	66	68	64	59	51	44	34	21	24	36
25	25	25	14	12	16	10	8	25	51	69	75	76	76	82	83	82	87	84	80	47	39	20	12	9	46
26	9	12	11	11	14	15	9	11	15	34	76	81	115	110	108	108	111	112	104	79	64	63	49	52	57
27	33	37	35	32	35	31	22	41	67	97	108	99	81	80	87	75	86	78	76	55	46	45	45	12	58
28	23	25	8	8	10	19	37	42	52	62	73	81	86	91	83	85	85	90	88	70	50	38	36	38	53
29	36	37	35	35	38	34	25	26	31	52	65	77	77	***	69	68	71	75	72	54	45	48	43	31	50
30	27	40	43	39	34	27	26	30	36	44	59	48	46	44	53	59	64	65	57	43	37	38	35	30	43
31	32	27	23	19	19	14	14	26	37	41	40	41	40	35	29	28	29	29	29	25	23	17	15	15	27
MEAN	21	21	19	19	19	18	17	22	27	34	39	40	43	43	44	42	43	42	40	33	28	25	23	21	30.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - SW NO 10001 COLLEGE OF AGRICULTURAL TECH. HURON PARK													MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	11	8	8	6	4	5	4	5	6	8	18	25	29	29	31	34	39	34	30	23	29	26	10	11	18	
2	12	10	9	6	5	2	6	14	16	14	14	12	13	14	13	13	17	18	21	13	8	5	16	12	12	
3	13	14	12	9	8	11	15	19	27	33	34	33	33	33	34	36	39	41	40	31	17	18	14	10	24	
4	13	9	8	9	8	8	15	23	32	39	41	43	43	46	54	53	54	59	59	57	35	25	27	5	32	
5	0	0	0	0	0	0	0	9	13	14	17	19	19	19	20	21	23	26	27	23	14	3	6	7	12	
6	9	8	13	14	13	13	17	18	26	34	40	41	42	47	55	60	67	68	62	48	40	38	37	40	35	
7	43	40	39	34	34	29	26	25	***	***	12	***	0	0	5	16	20	22	26	27	20	18	18	19	23	
8	23	24	25	27	27	26	33	20	8	7	7	6	9	11	11	***	8	9	11	14	17	17	20	21	17	
9	21	22	20	18	17	13	12	18	20	27	33	40	47	46	39	37	34	31	29	28	21	12	5	3	25	
10	0	4	12	11	12	10	12	19	24	30	39	44	57	68	75	87	94	85	82	73	61	65	75	76	46	
11	69	63	56	49	43	38	34	37	46	61	72	79	77	79	86	80	81	84	79	72	65	69	65	60	64	
12	52	48	43	38	36	34	32	36	44	51	48	39	43	44	41	42	40	32	23	19	18	18	18	19	36	
13	15	15	14	14	16	17	18	20	21	19	19	22	22	26	28	31	30	30	28	26	24	22	23	25	22	
14	26	27	27	23	21	18	20	23	25	26	27	28	26	28	30	31	31	31	28	24	12	10	10	10	24	
15	12	13	13	13	11	10	10	14	14	16	30	32	32	32	32	39	44	46	45	42	33	33	36	39	33	
16	27	24	28	32	32	30	26	24	23	37	45	45	46	47	43	35	24	27	32	34	35	37	39	42	34	
17	44	41	38	37	35	28	28	30	35	38	38	35	41	71	90	93	83	75	71	62	58	56	54	53	51	
18	58	54	49	42	38	31	26	30	35	39	39	34	37	44	45	42	44	44	43	38	28	16	23	23	38	
19	28	25	17	18	29	24	15	23	29	29	31	38	41	43	47	52	52	48	45	37	32	20	10	5	31	
20	19	29	22	21	15	15	15	28	37	45	65	72	74	77	88	95	87	83	79	65	57	63	62	56	53	
21	64	70	73	54	52	48	40	41	44	56	68	65	60	54	44	36	35	35	37	34	26	23	21	17	46	
22	17	21	19	9	7	8	12	20	28	30	35	35	***	37	40	48	47	47	42	42	37	36	27	30	30	
23	28	24	24	25	22	17	22	23	25	26	27	29	31	29	28	26	26	24	20	16	11	8	6	4	22	
24	3	0	0	0	0	0	3	6	10	21	30	39	46	50	52	53	53	52	48	44	27	17	27	27	25	
25	29	28	27	29	31	30	30	26	23	41	51	66	86	91	89	84	78	82	87	86	86	84	74	61	61	
26	55	58	52	43	38	30	26	23	25	30	40	44	46	41	39	37	36	32	29	28	28	26	23	20	36	
27	14	11	9	8	8	7	11	22	32	40	40	44	46	41	39	37	36	32	29	28	28	26	23	20	36	
28	16	16	14	11	13	13	15	14	14	12	14	16	16	***	23	23	23	29	27	24	22	23	18	19	35	
29	17	20	23	24	21	19	21	28	34	39	44	47	46	44	41	44	52	55	52	47	42	30	28	31	39	
30	30	29	30	32	26	18	15	20	19	22	23	24	27	27	28	31	31	29	25	22	22	23	24	20	25	
MEAN	26	25	24	22	21	18	19	22	26	31	35	38	39	42	43	46	45	44	42	38	32	29	29	26	31	31

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - SW NO 10001 COLLEGE OF AGRICUTURAL TECH. HURON PARK																MONTH - JUL 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	19	20	20	20	18	16	12	16	18	17	20	24	24	24	25	25	27	29	26	22	4	9	15	20
2	15	13	15	19	20	20	21	20	21	23	26	35	36	36	35	35	35	36	56	45	40	31	27	28	29
3	27	22	19	19	23	21	22	27	27	26	25	24	26	25	25	28	30	31	30	26	27	28	27	21	25
4	21	20	19	19	19	20	21	24	29	35	38	39	39	42	42	44	47	54	52	47	42	36	27	18	33
5	6	7	16	8	6	4	5	16	32	51	55	54	57	58	60	65	66	66	60	55	51	43	34	28	38
6	27	21	22	26	27	25	28	42	60	59	58	62	72	62	63	65	75	80	77	73	72	67	64	71	54
7	73	77	73	58	56	41	40	38	39	57	72	87	91	91	93	96	88	89	88	86	78	85	90	84	74
8	69	61	54	41	35	31	32	35	40	37	32	31	29	29	30	32	35	32	27	24	21	17	13	16	33
9	16	15	13	11	7	5	6	13	22	27	31	40	43	40	38	46	54	58	55	54	49	46	44	39	32
10	44	47	38	29	24	19	17	19	22	24	24	23	22	20	18	18	18	19	22	21	17	14	11	12	23
11	13	13	13	13	11	11	11	14	13	15	20	21	23	24	25	27	28	30	28	25	23	15	8	1	18
12	0	2	9	4	8	4	5	17	26	28	31	36	38	39	41	43	46	58	87	80	68	63	47	42	34
13	38	39	38	35	31	32	37	43	47	53	59	66	69	70	64	62	66	73	66	55	46	39	39	40	50
14	28	21	39	33	29	22	18	23	31	36	38	41	39	39	41	43	45	42	34	24	9	10	14	31	
15	20	24	22	24	31	34	40	41	46	81	88	84	85	78	71	64	62	62	60	46	30	27	25	23	49
16	21	17	14	13	10	12	12	12	13	14	16	20	23	21	20	22	22	21	20	18	13	14	17	13	17
17	9	9	8	8	8	5	13	15	22	24	26	27	27	25	27	28	28	27	23	17	17	15	6	4	17
18	8	8	6	12	10	12	17	33	33	51	***	61	68	74	73	73	79	77	71	65	65	66	70	65	48
19	67	83	95	88	74	66	54	44	49	65	76	82	76	81	82	89	91	86	77	67	67	67	68	75	80
20	76	86	96	95	82	69	52	49	53	65	78	85	82	91	101	130	101	99	90	77	74	49	65	72	85
21	58	48	47	66	48	38	31	30	22	25	27	30	39	46	49	52	58	73	78	81	69	48	38	25	47
22	21	23	27	35	44	38	27	16	19	39	61	68	74	76	80	68	82	88	106	101	86	82	77	74	59
23	63	43	34	35	33	43	40	38	34	33	22	19	22	25	25	24	23	25	27	28	25	19	9	29	
24	11	19	13	11	10	6	3	8	13	17	23	24	25	34	32	37	46	53	53	51	38	21	20	20	25
25	27	21	15	13	13	11	9	9	16	37	46	50	57	59	64	74	85	70	62	68	54	56	43	53	42
26	52	47	44	39	27	24	18	20	24	32	41	48	55	59	63	66	74	78	63	38	32	32	39	31	44
27	38	36	35	31	24	24	23	20	27	28	33	41	43	55	52	27	40	40	32	31	20	20	17	16	31
28	15	16	16	18	18	15	13	15	17	18	20	22	23	22	23	26	25	23	26	24	18	11	11	13	19
29	25	30	32	29	29	29	18	21	29	27	29	31	41	50	49	43	41	40	42	44	35	30	25	21	33
30	15	13	12	11	7	8	7	9	14	17	19	21	23	23	26	25	23	23	23	21	20	16	3	23	16
31	19	14	8	8	7	4	4	7	11	17	29	40	37	42	42	43	49	52	52	45	32	15	24	25	26
MEAN	30	29	29	28	26	23	21	23	28	35	39	43	45	47	48	49	51	53	53	48	41	35	32	32	37.0

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION												
STATION - SW NO 10001 COLLEGE OF AGRICULTURAL TECH. HURON PARK														MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	36	34	45	37	39	43	41	41	41	42	48	53	53	64	126	83	68	62	61	53	38	24	26	29	49	
2	41	29	26	25	34	30	23	27	30	44	51	54	57	59	65	66	71	74	72	61	58	49	49	39	47	
3	47	42	35	34	41	38	30	27	29	31	32	33	36	37	39	38	37	39	31	34	26	23	10	5	32	
4	22	11	10	13	10	12	7	8	17	25	27	27	30	28	31	34	37	39	42	39	21	9	17	15	22	
5	22	24	26	21	24	20	15	19	32	41	43	47	50	52	55	68	66	68	70	66	49	31	31	26	40	
6	27	15	18	14	17	23	14	17	32	39	54	67	68	62	69	75	77	73	64	56	54	27	16	9	41	
7	27	20	24	20	28	33	32	29	32	50	69	76	74	86	85	83	81	76	82	72	61	57	47	48	54	
8	41	34	32	21	21	24	18	20	31	48	61	63	68	77	92	107	86	88	85	76	68	60	55	51	55	
9	54	58	53	48	44	36	32	30	32	36	43	40	39	48	50	48	45	32	28	23	19	11	18	17	37	
10	15	10	11	3	6	10	4	9	18	23	26	28	28	***	28	26	26	26	25	23	15	14	13	10	17	
11	10	6	6	7	9	8	4	9	13	22	25	29	34	36	37	52	74	65	50	29	15	34	30	28	26	
12	17	11	12	15	16	10	13	18	39	59	81	81	83	88	94	97	103	106	95	84	69	55	41	30	55	
13	32	39	26	22	37	22	16	39	51	57	75	91	91	92	90	89	80	68	61	42	14	46	44	40	53	
14	48	47	45	44	34	29	31	33	48	68	86	98	113	119	102	94	80	75	68	57	53	47	42	37	62	
15	40	38	48	54	47	38	31	32	44	60	68	65	52	57	49	43	55	65	58	62	63	61	62	58	52	
16	52	50	49	47	44	42	41	39	35	37	40	45	56	67	69	72	61	54	53	52	57	59	47	39	50	
17	38	31	27	24	21	17	14	14	14	18	19	20	24	26	29	31	34	37	34	28	18	13	15	14	23	
18	20	19	17	17	17	16	15	20	24	34	38	50	73	82	93	100	90	83	87	81	86	82	75	72	54	
19	57	53	45	38	34	28	26	32	31	37	42	52	62	67	64	38	25	21	23	21	23	24	22	22	37	
20	20	19	16	14	12	11	11	14	16	18	20	21	22	20	22	21	20	20	18	12	9	12	15	16	17	
21	19	17	16	9	7	3	5	10	21	28	33	41	45	45	45	47	47	46	39	29	22	15	29	27	27	
22	19	20	18	16	13	9	12	26	42	56	59	67	73	84	88	89	94	95	89	53	44	67	66	62	53	
23	66	61	64	66	66	65	56	51	61	71	80	75	73	76	76	77	80	74	66	62	56	46	42	40	65	
24	39	34	29	22	15	12	10	14	***	55	50	49	54	58	65	72	74	79	71	55	53	40	36	30	44	
25	24	23	21	23	21	13	10	14	24	30	30	30	30	30	31	32	33	34	34	32	26	20	16	9	27	
26	10	7	8	12	16	13	10	18	25	32	35	38	42	42	42	43	46	48	43	33	23	21	22	24	27	
27	22	20	21	22	24	22	20	17	23	31	36	42	52	55	61	68	83	82	54	39	41	40	37	36	35	42
28	21	27	30	34	35	36	37	33	30	31	32	32	32	32	34	34	33	31	31	27	21	12	14	12	24	
29	32	28	27	24	20	16	15	16	21	26	27	30	35	34	34	33	31	31	27	21	12	14	10	12	21	
30	13	13	12	10	9	7	4	5	10	18	36	40	47	44	41	39	37	35	25	12	8	13	10	12	21	
31	16	14	17	18	19	16	8	11	16	21	25	26	29	29	28	30	34	35	34	28	26	20	14	9	22	
MEAN	31	28	27	25	25	23	20	22	29	38	45	49	53	57	60	60	59	57	52	44	37	34	32	29	39.0	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - SW NO 10001 COLLEGE OF AGRICULTURAL TECH. HURON PARK																MONTH - SEP 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	10	10	9	5	2	7	15	23	30	35	38	39	41	43	46	50	42	31	34	31	30	31	26
2	35	35	35	33	30	29	28	29	30	42	54	81	87	82	70	80	78	74	73	71	67	73	60	73	57
3	54	49	48	39	28	22	21	23	45	57	58	48	47	47	39	35	28	24	21	22	22	21	21	14	35
4	9	10	10	8	6	4	6	8	12	16	23	25	26	27	33	35	38	38	34	22	10	12	21	19	19
5	23	21	19	15	13	7	6	9	19	33	41	46	48	52	52	53	55	55	50	35	39	55	59	58	36
6	58	49	40	40	35	28	24	36	57	72	69	63	61	69	69	69	67	64	70	74	73	72	93	59	36
7	97	101	91	69	65	65	52	56	****	64	51	41	37	36	39	42	36	31	28	17	14	16	11	11	47
8	13	13	14	18	19	17	16	15	14	16	21	30	47	29	36	52	58	51	44	26	12	6	21	32	26
9	31	28	20	18	13	12	8	17	17	18	20	24	26	28	29	34	35	34	39	43	41	34	29	28	26
10	26	25	23	23	20	18	15	17	21	23	29	37	32	44	60	66	72	59	49	52	53	49	41	53	38
11	59	60	48	39	27	21	58	21	31	50	63	73	87	93	86	97	88	72	72	61	50	37	49	45	58
12	47	41	39	37	34	19	17	15	13	11	10	10	12	14	14	16	19	22	21	20	16	13	12	20	20
13	12	14	15	16	17	15	16	17	17	18	19	23	24	26	26	24	25	24	25	25	26	26	21	20	20
14	21	21	21	22	20	22	22	21	19	20	21	20	28	30	36	42	46	45	39	12	7	8	20	26	25
15	32	29	26	22	23	20	16	16	19	23	25	32	34	37	40	41	47	53	47	43	43	36	29	31	32
16	29	25	26	25	22	16	12	17	20	22	24	26	28	28	29	29	28	27	24	17	15	15	11	15	22
17	13	9	13	11	16	11	11	12	14	17	18	19	17	15	16	17	15	15	12	10	14	13	7	10	14
18	3	8	10	12	14	14	16	15	17	14	14	15	15	16	16	12	12	9	10	9	9	20	14	13	13
19	12	7	8	8	5	2	5	5	7	7	10	15	20	24	26	29	28	26	17	12	15	10	7	10	13
20	10	10	9	7	9	10	9	13	18	25	35	45	65	80	82	72	83	70	65	52	38	26	22	28	37
21	26	28	18	32	26	20	17	15	****	12	12	16	20	18	19	16	17	12	14	14	13	13	12	12	17
22	11	9	8	7	1	0	0	6	7	8	15	17	20	20	20	21	19	18	4	7	4	10	10	8	10
23	7	8	9	6	8	4	6	9	18	24	28	32	36	39	43	47	38	37	25	21	15	5	3	20	20
24	0	0	0	3	5	4	7	8	18	29	39	51	63	71	67	70	70	65	50	50	45	41	36	35	35
25	28	24	15	12	13	10	3	7	16	18	19	17	19	20	18	19	19	16	8	6	4	3	1	4	13
26	6	5	4	5	7	2	4	6	10	15	21	25	30	35	27	34	40	40	35	29	34	36	30	26	21
27	27	25	24	21	19	17	16	19	22	27	36	51	56	65	66	38	26	20	18	17	19	21	18	15	28
28	12	10	9	9	7	3	4	2	13	17	19	23	22	22	21	20	20	18	10	5	1	0	5	11	21
29	3	0	7	5	6	5	3	3	7	14	19	23	23	26	28	26	28	25	18	23	20	15	12	11	15
30	12	10	8	6	6	6	7	11	16	28	46	58	66	64	61	63	44	32	25	21	23	19	12	11	27
MEAN	24	23	21	19	17	14	14	15	19	25	30	34	38	40	40	41	41	38	33	28	26	25	24	25	27.3

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - SW NO 10001 COLLEGE OF AGRICULTURAL TECH. HURON PARK																MONTH - OCT 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	12	12	14	13	15	22	23	23	27	25	29	30	26	23	25	23	22	19	17	14	11	10	5	19
2	3	2	2	3	4	5	0	2	16	24	26	27	28	26	28	28	27	25	21	8	2	4	9	11	14
3	9	15	12	18	20	16	12	10	11	13	17	15	29	37	32	25	21	17	20	11	11	11	14	19	17
4	20	23	18	12	6	4	3	7	****	12	13	16	22	21	21	24	19	16	16	9	9	4	2	13	13
5	3	0	0	0	4	4	3	4	7	12	15	18	27	29	26	28	29	29	31	32	28	26	19	16	16
6	18	16	10	8	6	5	12	11	10	11	15	17	25	23	13	12	11	12	14	15	15	15	15	19	14
7	21	22	22	22	23	24	24	21	23	24	24	26	26	24	23	22	23	23	23	23	23	24	25	23	23
8	22	21	23	21	21	21	20	19	20	20	20	20	21	22	22	22	20	22	20	14	12	12	8	9	19
9	12	9	6	4	4	3	3	5	10	18	21	25	29	32	30	33	31	29	27	27	23	23	22	19	19
10	20	15	12	10	8	5	4	5	11	21	36	48	52	52	53	57	60	49	42	35	35	34	29	36	30
11	29	19	15	11	10	8	6	8	14	22	28	35	51	53	52	44	39	42	46	40	36	32	30	28	29
12	29	26	20	19	18	20	18	16	16	20	24	37	40	40	38	33	31	30	26	24	23	20	16	12	25
13	11	9	7	10	5	3	0	7	11	13	17	21	21	23	21	21	23	19	20	20	22	23	22	20	15
14	19	15	12	16	18	17	15	13	15	19	22	24	24	24	22	24	23	25	22	17	13	12	12	9	18
15	11	12	12	17	21	19	19	20	23	29	31	30	30	28	29	27	27	26	20	3	3	4	6	10	19
16	19	18	10	15	19	18	17	****	22	24	25	27	29	29	29	30	28	23	16	18	15	11	8	15	20
17	15	13	16	14	12	6	3	7	11	15	23	25	30	31	30	29	28	28	20	20	18	17	20	21	19
18	22	22	17	20	16	17	12	13	14	12	8	8	8	8	8	9	5	3	4	4	4	4	3	0	10
19	11	14	17	13	15	12	11	3	6	16	19	19	19	18	14	12	20	23	21	24	22	23	22	19	16
20	14	18	11	11	10	7	6	5	10	22	24	27	28	30	31	34	36	23	22	24	15	18	19	19	19
21	20	15	14	12	11	11	11	12	15	22	35	45	54	58	56	57	52	49	44	40	40	39	36	29	32
22	25	24	24	23	24	24	23	23	24	29	35	42	47	50	51	50	54	49	40	41	28	29	21	21	33
23	19	16	17	17	15	14	12	11	16	18	18	22	26	28	29	28	30	31	30	25	19	18	16	16	20
24	17	10	14	17	14	16	14	14	17	21	25	25	27	26	29	28	28	26	25	24	22	22	22	21	21
25	20	17	15	13	11	9	9	10	12	15	17	19	24	24	22	21	20	19	18	18	15	11	10	12	16
26	13	13	13	18	15	13	16	17	18	18	20	24	24	24	22	19	****	16	19	16	12	18	21	18	15
27	24	23	23	15	10	7	5	5	4	6	11	15	21	25	27	24	23	19	17	15	13	9	9	10	15
28	10	4	6	4	2	0	0	8	20	24	23	24	24	24	25	26	26	24	17	18	18	16	16	18	15
29	12	12	14	16	12	8	12	10	10	11	12	15	19	20	21	21	19	14	8	6	5	7	9	7	13
30	10	6	5	5	5	6	7	8	10	12	15	24	27	29	34	37	24	19	16	20	17	17	16	15	16
31	15	14	12	12	14	10	6	6	8	14	22	24	25	26	26	27	24	21	19	13	10	12	12	11	16
MEAN	16	15	13	13	12	11	10	10	14	18	21	25	29	29	29	28	27	25	23	20	18	17	16	16	19

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
	STATION - SW NO 10001					COLLEGE OF AGRICUTURAL TECH. HURON PARK										MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	10	9	8	10	6	7	5	0	4	12	21	24	28	28	29	27	24	19	3	3	10	11	11	11	13	
2	13	13	13	12	8	3	0	0	3	9	16	23	28	35	41	34	19	11	5	6	3	0	2	2	12	
3	5	7	8	8	8	5	4	2	4	13	22	32	45	52	53	53	49	27	20	22	24	28	31	32	23	
4	32	29	28	26	23	19	16	14	17	23	35	50	58	61	52	54	46	37	24	9	3	7	15	13	29	
5	13	16	26	26	22	19	16	18	24	26	35	42	56	63	59	60	60	60	52	47	45	43	41	38	38	
6	36	27	22	16	14	22	19	20	17	20	22	24	25	25	26	24	25	25	24	24	24	24	25	22	23	
7	23	24	22	20	18	16	15	12	15	20	22	23	23	22	21	19	20	15	15	12	8	2	3	0	16	
8	0	0	0	5	7	7	4	6	6	10	11	17	21	23	22	25	23	16	20	18	17	18	18	20	13	
9	20	15	12	10	7	6	4	6	8	***	12	16	19	22	23	20	17	11	12	6	3	3	5	5	11	
10	4	4	4	3	3	3	3	3	3	4	4	6	10	15	21	16	14	7	3	2	2	2	2	2	6	
11	0	0	0	0	1	2	3	5	7	8	9	11	14	11	11	25	27	21	10	8	11	13	16	17	10	
12	19	19	19	19	20	20	21	22	22	22	22	22	22	22	20	19	19	19	20	17	16	17	17	16	20	
13	21	20	19	12	9	11	17	16	13	13	11	10	8	8	7	5	7	6	9	9	11	15	22	26	13	
14	25	23	20	19	22	22	22	19	17	17	15	15	18	18	19	19	21	22	22	23	25	26	26	27	21	
15	29	30	29	27	26	23	21	17	15	16	22	23	25	25	27	26	24	19	4	5	0	0	0	0	18	
16	0	1	4	8	13	15	7	5	9	15	15	19	33	25	***	***	6	8	8	11	11	11	13	14	11	
17	12	9	11	11	11	12	12	11	9	9	10	10	12	12	13	13	15	13	15	7	6	3	0	0	10	
18	6	7	11	20	26	30	31	30	31	31	29	31	28	26	25	22	25	22	15	8	8	15	17	22	22	
19	17	11	9	7	8	10	29	27	29	29	28	28	29	29	29	27	25	24	22	22	23	22	16	22	22	
20	28	28	29	27	27	25	27	25	25	24	23	25	25	23	23	23	21	19	17	16	19	21	20	22	23	
21	25	25	25	25	24	26	24	25	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
22																										
23																										
24																										
25																										
26																										
27																										
28																										
29	***	***	***	***	***	***	***	***	***	***	***	33	32	40	41	39	36	32	29	27	20	16	7	6	5	*****
30	19	23	31	36	36	37	38	40	40	43	43	43	42	42	42	42	43	42	39	37	36	34	32	31	37	
MEAN	16	15	16	16	15	15	15	15	15	18	21	24	28	29	29	28	26	22	18	15	14	14	15	15	19.0	

PERCENTAGE OF DATA VALID - 72.6

PERCENTAGE OF DATA INVALID - 27.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION												
	STATION - SW NO 10001					COLLEGE OF AGRICUTURAL TECH. HURON PARK										MONTH - DEC 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	32	32	32	28	22	20	15	10	6	7	14	18	25	30	32	-	-	-	-	-	-	-	-	-	*****
2																									
3																									
4		-	-	-	-	-	-	-	-	33	34	36	36	37	38	38	35	32	30	33	34	34	35	31	35
5	25	24	22	18	20	14	11	8	12	22	24	24	23	21	13	9	6	3	2	3	3	2	2	3	13
6	2	2	2	2	2	2	2	3	6	15	25	29	33	38	40	42	41	41	41	39	37	40	45	41	24
7	40	37	37	36	35	35	34	32	32	29	32	34	26	10	8	10	4	0	0	0	0	0	0	0	20
8	0	0	0	0	1	11	20	34	35	20	34	36	43	40	40	42	43	45	45	44	44	44	44	44	30
9	46	45	45	47	48	47	47	47	45	45	45	45	45	45	44	44	44	43	43	43	43	42	40	39	44
10	40	40	42	41	44	43	43	43	43	44	44	44	44	44	44	45	44	43	41	36	35	33	32	29	41
11	22	8	11	7	4	5	11	22	27	31	32	35	39	37	37	33	26	19	11	10	6	4	4	0	18
12	0	2	13	28	36	43	45	42	38	****	35	29	37	40	40	40	42	44	43	41	36	25	24	22	32
13	16	17	27	34	36	36	34	30	24	20	34	40	45	43	42	38	36	39	43	46	49	50	50	50	37
14	50	52	52	51	50	48	47	46	43	43	41	38	33	35	35	30	29	32	32	29	19	9	18	25	37
15	22	15	16	15	12	11	10	10	11	22	28	28	30	33	35	32	24	11	8	6	5	5	5	5	17
16	4	0	0	0	0	0	0	0	0	3	6	9	18	28	32	38	38	26	8	4	10	19	6	6	11
17	42	46	48	51	52	50	51	51	50	49	47	47	49	50	51	50	50	50	50	50	50	50	49	49	49
18	48	47	47	47	45	43	40	31	19	20	24	38	45	49	***	41	41	46	46	45	46	46	47	46	41
19	44	46	49	48	49	49	46	46	45	46	46	44	47	46	46	48	48	47	47	44	44	44	39	33	45
20	20	7	2	1	0	0	0	10	31	35	42	40	34	30	11	8	3	2	0	0	0	0	0	0	12
21	0	0	0	9	31	42	48	53	53	54	55	57	57	56	56	57	57	57	53	42	42	41	34	37	41
22	36	37	7	3	13	18	29	16	25	35	38	38	35	35	35	28	29	48	51	51	50	51	51	51	32
23	49	47	46	40	38	38	37	37	37	39	43	44	46	46	48	47	32	6	15	3	0	16	33	30	34
24	30	28	32	30	34	37	36	36	37	38	37	35	38	37	32	20	14	21	25	16	16	18	13	8	28
25	6	5	4	5	4	0	27	38	40	43	45	48	48	50	51	53	54	54	54	54	53	53	53	53	37
26	52	52	52	50	45	45	43	40	35	41	46	48	50	50	49	49	51	50	49	49	49	48	47	47	47
27	47	49	49	50	51	51	49	48	48	47	47	48	48	48	48	48	48	48	48	48	48	49	50	50	49
28	52	51	51	51	52	52	50	47	38	35	38	41	43	46	47	48	47	26	20	14	29	36	27	35	41
29	39	29	3	2	17	25	23	31	41	41	43	45	46	44	***	48	48	47	43	29	28	18	22	29	32
30	28	10	18	13	21	31	26	24	26	29	30	32	26	18	10	7	4	2	2	3	4	4	3	3	16
31	3	3	3	3	2	1	0	0	2	4	5	3	3	3	3	3	2	2	1	1	2	2	7	39	4
MEAN	28	26	25	25	27	28	29	30	30	32	35	37	38	38	36	36	33	30	30	28	28	27	28	29	30.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 10001 COLLEGE OF AGRICUTURAL TECH, HURON PARK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	21.7	32	37
FEB	28	30.9	46	68
MAR	31	40.9	98	134
APR	30	27.5	39	56
MAY	31	30.2	58	115
JUN	30	31.6	64	95
JUL	31	37.0	80	130
AUG	31	39.0	65	126
SEP	30	27.3	59	101
OCT	31	19.0	33	60
NOV	21	19.0	38	63
DEC	28	30.7	49	57
YEAR	353	29.8	98	134

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 10001 COLLEGE OF AGRICUTURAL TECH, HURON PARK

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	140	131	300	172	0	0	0	0	743
FEB	42	70	217	308	35	0	0	0	672
MAR	16	50	135	391	117	14	19	0	742
APR	37	137	227	314	3	0	0	0	718
MAY	89	144	205	218	60	19	8	0	743
JUN	80	143	178	206	83	24	0	0	714
JUL	55	144	177	176	143	43	5	0	743
AUG	48	128	144	218	154	43	7	0	742
SEP	138	202	150	127	87	13	1	0	718
OCT	144	289	240	53	15	0	0	0	741
NOV	141	155	158	55	14	0	0	0	523
DEC	143	56	73	358	46	0	0	0	676
YEAR	1073	1649	2204	2596	757	156	40	0	8475

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.7	0	8.2	19.1	27.2	35.1	51.9	65.9	81.8	89.3	134	29.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - JAN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	5	3	3	5	7	8	8	7	10	12	15	16	15	13	14	14	12	8	11	12	9	10	13	11		
2	10	5	2	0	2	0	0	7	7	10	11	10	16	17	17	15	14	8	4	6	10	7	5	3		
3	4	4	2	0	0	0	0	0	3	5	10	14	16	14	14	13	8	3	0	0	3	0	0	0		
4	0	0	0	0	0	3	3	0	0	2	4	7	7	4	3	4	2	1	0	0	2	1	0	0		
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1		
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6	8	8	11	13	15		
9	18	19	18	18	20	22	17	13	8	16	20	20	20	21	20	18	16	13	15	17	19	19	18	18		
10	22	22	23	23	23	23	20	16	14	16	19	18	20	20	19	12	8	5	2	5	8	9	6	1		
11	0	1	3	2	0	0	0	0	0	2	7	9	12	12	13	10	3	1	0	0	0	0	0	0		
12	0	0	0	0	0	0	0	0	0	1	2	4	1	0	1	2	1	0	0	0	0	0	0	0		
13	0	1	6	7	5	3	3	1	1	2	4	***	5	5	4	3	2	1	1	1	4	6	8	6		
14	7	15	16	17	15	16	17	19	19	18	20	20	22	22	16	13	12	8	9	10	8	7	2	1		
15	1	0	1	2	5	6	5	6	6	9	13	19	19	20	21	21	19	14	2	0	1	2	4	11		
16	11	3	0	0	0	0	0	0	1	***	6	7	8	12	8	7	2	0	0	0	0	0	0	0		
17	2	2	2	2	2	2	2	2	2	5	8	9	8	10	10	7	6	6	5	6	7	7	7	9		
18	12	15	17	19	18	15	1	0	2	8	16	19	20	18	19	16	11	4	2	7	2	1	4	1		
19	0	0	0	0	5	7	5	1	0	1	3	6	12	15	17	18	10	2	6	8	10	10	8	7		
20	10	12	15	18	17	14	8	6	7	11	13	16	16	15	15	13	9	7	6	7	8	4	8	1		
21	0	2	0	0	1	3	4	3	4	8	11	14	12	14	14	13	7	2	1	1	0	0	0	0		
22	0	0	0	0	0	0	0	0	0	3	6	9	15	16	15	17	14	7	2	0	0	0	0	0		
23	0	0	0	1	0	0	0	0	0	3	5	9	20	19	19	11	7	4	5	0	0	0	0	0		
24	0	0	0	0	1	3	1	1	1	6	8	10	8	9	8	8	5	3	5	4	1	0	0	0		
25	0	0	1	3	3	0	0	0	0	2	2	4	9	8	4	1	1	0	0	0	0	0	0	1		
26	4	5	5	5	5	2	0	0	1	1	2	3	9	7	8	12	18	19	21	22	22	21	22	23		
27	23	23	23	24	24	23	23	21	19	21	22	23	24	-	***	9	8	5	3	4	1	3	2	4	15	
28	4	6	6	6	8	6	4	4	6	9	14	18	22	23	19	19	18	15	16	13	15	19	16	13		
29	15	13	10	15	18	19	20	20	21	19	20	23	25	25	26	22	17	12	3	0	0	0	0	0		
30	10	21	23	23	23	23	14	5	6	11	17	14	13	9	7	5	7	6	0	0	0	0	0	0		
31	0	0	0	0	0	0	0	0	0	3	8	13	18	18	19	19	15	7	1	1	0	0	0	0		
MEAN	5	6	6	6	7	6	5	4	5	7	9	11	13	12	12	10	8	5	4	4	4	4	4	4	6.8	

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	2	4	8	11	13	10	9	7	4	1	0	2	5	0	0	3	
2	0	0	0	0	0	0	0	0	0	2	3	8	15	18	18	16	11	9	0	1	0	0	0	0	4	
3	0	0	0	3	8	6	2	0	0	3	9	19	25	24	21	19	14	7	1	3	0	0	0	0	7	
4	0	6	7	6	11	6	7	7	8	11	17	20	24	25	25	20	18	15	2	3	2	2	3	9	11	
5	8	10	9	12	9	11	11	10	9	12	13	17	16	20	24	18	12	6	5	16	19	11	7	5	12	
6	12	15	22	21	17	9	5	2	4	7	16	15	17	19	17	16	13	11	8	6	5	7	9	7	12	
7	11	13	16	13	13	7	6	3	4	8	12	16	19	18	18	16	13	8	4	6	11	7	0	0	10	
8	0	2	0	0	0	0	0	0	0	3	10	16	24	26	29	24	11	4	4	5	0	0	3	5	7	
9	4	6	7	7	5	0	0	0	0	2	6	11	18	23	25	24	21	12	5	3	0	0	0	0	7	
10	0	0	0	0	0	0	0	0	0	3	10	17	19	22	23	23	18	7	2	0	0	0	0	0	6	
11	0	0	0	0	0	0	0	0	2	4	8	16	22	25	26	26	26	22	8	3	1	0	2	5	8	
12	7	10	10	7	8	8	9	7	7	16	23	26	30	28	29	31	28	18	14	14	9	8	7	0	15	
13	2	2	2	1	0	0	0	0	0	3	4	6	14	17	20	13	3	4	5	19	20	21	17	18	8	
14	19	17	14	18	17	4	1	1	4	8	15	18	24	23	19	18	19	20	15	8	4	2	0	0	12	
15	0	0	0	0	5	2	4	1	3	5	12	15	22	26	30	30	31	32	33	33	32	28	23	20	16	
16	19	14	10	10	9	9	10	4	7	8	13	19	24	27	30	30	31	11	8	13	11	14	11	13	14	
17	8	9	4	1	0	0	0	0	1	***	9	13	14	18	18	18	15	8	3	4	1	0	0	0	6	
18	0	0	0	0	0	0	0	0	1	2	5	8	11	18	20	23	21	15	18	12	9	2	4	2	1	7
19	0	0	1	1	5	1	1	1	4	7	14	16	22	24	27	29	29	29	25	17	21	9	2	0	12	
20	1	0	0	0	0	0	0	0	0	0	8	20	40	49	47	40	30	38	39	36	34	24	18	6	18	
21	0	0	0	0	0	0	0	0	1	2	5	9	20	21	20	17	13	11	11	4	11	17	14	7	8	
22	9	7	6	10	5	1	0	0	2	6	14	18	21	21	22	22	20	16	9	4	0	0	0	0	9	
23	0	0	0	1	1	0	0	1	4	6	9	11	10	15	17	14	15	10	2	0	0	0	0	0	5	
24	1	5	4	3	2	0	1	1	2	***	5	12	21	19	22	23	14	17	26	27	29	25	16	5	12	
25	10	16	16	15	14	8	3	5	7	16	20	21	25	27	27	25	23	22	8	5	0	1	1	1	13	
26	1	1	0	0	0	0	3	7	14	16	21	26	26	24	25	25	26	25	18	13	4	7	10	5	12	
27	11	12	12	10	5	1	0	0	2	8	16	21	20	23	24	21	23	25	28	25	24	16	9	10	14	
28	10	13	15	8	6	14	9	8	11	24	29	35	23	20	22	18	13	11	10	7	1	1	4	13	14	
MEAN	5	6	6	5	5	3	3	2	4	7	12	17	21	23	23	22	18	15	11	10	9	7	6	5	10.1	

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT		UNITS - PARTS/BILLION																							
STATION - SW NO 12008		467 UNIVERSITY AV WEST F2 WINDSOR												MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	30	24	25	21	18	11	7	4	7	10	17	19	22	23	24	23	20	15	9	10	10	3	1	0	15
2	0	0	0	0	0	0	0	0	1	4	16	22	31	33	31	26	21	25	16	16	14	15	14	14	12
3	25	28	32	22	18	19	16	17	13	12	17	20	***	31	33	24	15	13	14	15	4	1	2	6	17
4	7	15	16	16	18	21	17	16	20	23	25	27	28	28	28	28	28	23	20	17	18	24	25	26	21
5	22	19	17	14	17	15	4	5	8	11	16	22	30	33	37	55	45	24	16	17	14	11	7	1	19
6	3	4	0	2	0	1	0	2	4	14	***	34	36	30	24	17	19	28	24	8	11	0	15	4	12
7	1	0	0	0	1	1	1	1	1	***	11	30	39	45	48	50	32	26	28	31	24	27	18	15	20
8	20	20	18	14	15	15	8	4	8	13	22	27	31	28	27	30	20	13	6	6	9	21	7	2	11
9	0	0	0	0	0	0	0	0	2	18	20	17	22	20	22	28	31	25	12	3	9	21	7	2	11
10	2	0	0	0	0	0	0	0	2	***	25	37	48	47	44	42	33	46	27	3	4	21	26	9	18
11	16	12	16	16	40	13	12	23	37	50	70	70	69	85	93	94	95	95	73	78	***	***	42	36	52
12	4	1	1	1	19	19	36	55	43	40	37	42	40	40	39	40	38	30	16	3	2	0	0	0	23
13	1	0	4	14	10	6	5	4	14	18	16	25	32	46	47	30	31	30	25	29	34	30	23	20	24
14	12	18	36	31	30	32	27	10	5	5	7	19	27	28	28	25	29	35	31	30	28	27	22	23	24
15	26	19	21	19	24	19	11	2	0	2	***	9	12	25	30	24	20	13	11	13	14	8	9	7	15
16	3	4	7	11	11	8	3	0	2	6	15	24	31	31	32	28	26	21	19	14	11	22	18	11	15
17	14	14	13	13	7	4	3	5	11	***	26	25	26	26	25	21	20	24	24	20	15	7	3	3	15
18	10	8	7	3	0	0	0	4	9	17	30	42	47	48	43	36	36	42	34	30	35	36	13	16	23
19	4	7	14	28	33	30	28	27	35	41	40	42	42	45	48	53	43	39	27	18	2	0	0	0	27
20	0	3	0	12	25	29	27	31	32	31	33	38	44	50	52	41	19	20	29	28	18	23	30	28	27
21	13	1	3	15	8	2	2	0	0	1	4	12	21	25	***	***	***	***	***	***	***	***	***	***	***
22	***	***	***	***	***	***	***	***	***	6	11	15	16	11	3	4	0	0	0	0	0	0	0	0	***
23	0	2	3	1	2	0	0	0	1	7	14	25	34	32	29	24	22	20	16	13	12	10	26	28	13
24	30	33	36	37	34	32	27	31	28	29	27	31	38	36	35	29	22	21	16	16	26	34	39	38	30
25	33	28	21	20	23	22	25	27	27	27	27	27	27	30	32	31	30	31	32	34	34	34	32	30	28
26	34	30	31	33	33	32	28	25	24	22	17	19	17	16	17	16	10	5	1	0	2	5	5	5	18
27	8	13	14	18	18	13	6	5	2	6	11	13	17	16	13	10	8	11	7	13	2	0	0	0	9
28	14	20	10	12	7	8	9	7	5	1	3	9	14	18	25	16	23	31	23	16	14	10	2	1	12
29	1	3	5	12	7	1	0	5	16	22	20	18	21	21	17	18	13	10	6	5	0	0	0	0	9
30	0	0	0	0	0	0	0	0	3	6	15	23	31	31	24	21	19	17	9	0	0	0	3	3	9
31	7	6	5	9	2	0	0	2	4	***	***	44	43	41	43	39	30	24	15	10	2	2	1	16	16
MEAN	11	11	12	13	14	12	10	10	12	16	22	27	31	32	33	31	26	25	20	16	13	13	13	12	18.2

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	20	20	22	29	36	35	27	21	34	35	37	36	32	32	35	38	35	36	31	22	21	22	17	22	29		
2	25	29	28	32	37	43	43	45	39	35	45	47	39	36	34	39	36	33	31	31	37	31	28	36	26		
3	38	39	40	36	35	34	29	27	24	23	23	23	21	20	20	12	10	5	5	14	10	7	9	22	36		
4	8	8	4	4	3	2	2	1	2	***	10	4	5	12	9	4	4	2	6	14	13	13	20	19	7		
5	19	24	30	33	26	0	0	7	12	20	26	30	29	33	28	25	27	25	25	16	23	15	18	19	21		
6	7	9	32	31	42	41	22	17	18	24	17	20	18	10	10	5	5	3	0	0	0	0	0	0	14		
7	8	16	21	16	7	3	3	5	10	***	24	29	37	44	47	46	38	39	27	25	11	1	0	12	20		
8	26	23	28	25	27	29	23	19	22	25	21	28	29	31	31	32	25	17	8	13	11	12	13	23	28		
9	14	9	22	27	39	40	38	40	38	35	38	29	30	32	28	32	37	33	26	25	20	18	14	15	28		
10	27	37	36	35	28	22	13	11	13	14	23	30	35	42	44	50	44	19	6	0	3	3	20	20	24		
11	21	23	23	9	8	20	16	10	10	14	15	14	22	31	32	29	25	27	17	17	9	3	2	4	17		
12	5	20	18	17	7	8	10	12	22	20	21	33	47	55	***	63	55	48	38	25	28	21	29	19	27		
13	17	25	30	27	25	30	27	23	25	29	26	25	25	28	24	27	24	24	23	22	11	8	7	5	22		
14	4	4	5	5	5	5	7	11	16	***	36	36	42	44	44	42	40	36	36	23	12	18	16	12	20		
15	0	0	0	10	20	6	5	19	36	36	39	36	35	38	35	34	30	29	24	11	5	5	8	7	20		
16	12	10	0	0	0	0	0	0	7	20	10	13	23	29	31	31	28	36	31	19	14	6	0	5	14		
17	8	0	0	2	2	0	4	10	15	29	38	46	43	42	41	44	46	40	25	23	12	26	22	20	22		
18	29	28	42	48	46	41	35	27	23	***	25	27	30	25	27	29	25	25	28	22	26	16	9	3	28		
19	7	6	8	7	9	6	3	2	3	6	11	25	34	38	36	21	15	14	4	0	15	20	8	11	13		
20	16	24	17	14	3	13	5	5	***	***	14	17	18	19	19	18	17	12	8	10	7	8	12	13	13		
21	20	25	28	36	30	23	11	8	9	10	18	15	20	29	31	34	31	30	31	23	18	16	7	8	21		
22	5	4	4	2	10	19	12	19	25	30	38	41	49	50	46	44	46	49	43	30	23	16	13	13	26		
23	10	8	9	9	9	13	18	36	47	50	57	56	55	53	47	36	36	43	35	34	38	35	29	32	32		
24	32	31	20	21	18	26	27	28	10	3	4	8	14	26	25	28	29	40	40	23	8	17	10	5	21		
25	8	6	12	17	20	11	6	11	23	27	31	33	38	52	60	55	51	45	39	30	25	19	13	11	27		
26	7	10	15	20	20	20	24	32	34	***	45	41	47	53	59	58	48	41	35	36	29	25	21	34	28		
27	22	26	30	32	32	25	13	13	21	33	43	51	50	45	47	41	36	34	25	18	6	16	6	3	28		
28	6	9	2	1	1	1	4	6	14	27	39	46	49	51	***	55	54	44	35	32	27	6	0	2	32		
29	0	0	0	0	0	0	0	0	3	6	36	51	57	***	***	***	***	24	33	32	33	28	25	23	24		
30	24	24	23	23	22	20	17	25	34	37	41	44	44	46	47	47	48	48	46	39	23	26	27	30	34		
MEAN	15	17	18	19	19	18	15	16	20	26	28	31	33	36	35	36	33	31	26	20	17	16	14	13	22		

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
		STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - MAY												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	37	37	33	36	35	19	8	15	24	27	29	37	42	46	42	38	36	36	37	32	28	4	0	0	28		
2	0	0	11	18	22	12	5	10	20	28	36	42	43	47	47	43	43	45	38	9	0	9	6	1	22		
3	0	0	0	0	0	0	0	0	13	19	18	41	47	60	56	53	49	44	36	34	28	19	15	11	23		
4	25	31	35	34	34	34	30	27	25	32	35	40	40	36	35	36	37	25	16	29	28	28	29	29	31		
5	29	31	30	35	33	27	20	15	15	***	14	16	11	12	7	6	4	2	1	1	1	1	1	1	14		
6	1	2	3	3	5	6	2	7	11	14	18	23	34	36	38	35	29	31	33	23	12	8	7	10	16		
7	0	0	0	0	0	0	3	11	29	48	52	64	70	70	69	69	64	56	60	62	68	65	49	40	40		
8	42	42	39	36	36	24	13	10	15	23	28	24	21	22	21	15	14	11	10	19	12	7	7	7	21		
9	8	12	12	16	18	13	9	15	29	29	32	29	24	29	34	38	38	37	35	28	18	17	20	25	24		
10	26	27	29	26	18	5	7	12	17	30	29	30	38	46	48	46	44	46	48	37	22	15	7	17	28		
11	5	3	4	6	3	4	14	24	32	36	37	38	49	52	50	41	39	34	24	16	20	24	41	42	27		
12	41	34	32	37	44	47	35	24	32	39	35	***	37	43	50	53	54	55	52	42	40	34	32	37	40		
13	41	49	48	42	35	32	35	39	40	44	47	56	63	55	51	41	44	43	38	29	14	8	6	7	38		
14	13	17	19	21	22	21	22	23	24	20	26	34	32	32	29	23	26	39	34	26	15	10	19	34	24		
15	40	34	29	31	23	32	24	19	10	12	21	20	12	15	12	6	5	12	17	23	30	17	16	20	20		
16	16	17	18	26	27	18	11	6	14	18	24	29	36	34	***	***	45	44	40	38	35	20	17	11	25		
17	10	6	11	4	5	3	2	5	14	24	35	45	53	51	47	38	33	30	25	4	6	4	2	20	20		
18	0	0	0	0	0	0	0	***	14	21	23	20	44	51	54	70	84	66	69	71	67	59	15	0	32		
19	0	0	0	0	0	0	1	5	29	2	10	13	5	0	0	11	63	63	68	30	19	6	0	0	14		
20	0	0	1	3	17	14	16	21	25	49	79	97	91	96	50	47	27	28	29	17	12	1	23	42	33		
21	31	14	12	16	19	21	22	25	27	29	29	28	34	36	40	36	35	37	32	28	30	27	21	7	27		
22	9	5	0	0	0	0	3	16	21	54	46	46	43	40	45	52	50	39	30	20	11	9	4	0	23		
23	14	11	15	3	0	0	0	0	***	14	17	28	51	78	81	71	63	56	50	41	38	34	23	15	31		
24	18	21	26	29	11	2	0	0	13	43	49	51	61	65	77	86	98	103	87	70	56	39	15	17	43		
25	14	6	1	0	0	0	0	0	9	48	105	138	158	172	204	211	160	156	140	117	70	50	47	41	77		
26	34	12	14	15	9	1	0	3	35	94	111	135	154	***	163	166	172	163	131	110	69	12	20	31	72		
27	56	28	6	1	34	28	28	40	63	84	116	148	148	145	138	161	156	126	110	85	40	39	32	12	76		
28	1	6	11	15	9	12	31	55	81	93	103	126	141	146	133	129	128	124	115	106	78	77	67	54	77		
29	57	46	22	35	21	4	7	20	39	68	107	110	114	115	110	113	122	124	121	97	90	89	87	84	75		
30	68	54	42	30	15	3	6	4	15	34	66	86	101	97	88	49	15	16	36	37	42	39	41	30	42		
31	26	3	0	0	0	2	5	***	-	-	31	33	34	34	34	34	37	38	34	28	18	1	0	6	19		
MEAN	21	18	16	17	16	12	12	16	25	37	45	54	59	59	62	61	59	56	51	43	33	25	22	20	34.9		

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
		STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - JUN 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	2	0	7	5	4	5	7	10	16	29	54	59	64	105	112	87	62	50	20	3	2	0	5	30		
2	7	5	3	9	7	2	2	2	4	4	13	17	17	***	8	9	6	9	11	7	2	0	0	1	6		
3	8	8	8	6	6	2	2	4	9	22	27	33	32	35	43	44	44	39	31	27	19	6	5	0	19		
4	0	0	0	0	0	0	0	0	7	31	28	39	42	47	55	55	48	51	47	46	52	38	18	14	35	27	
5	39	16	28	29	26	15	12	13	17	20	25	26	28	31	30	32	32	35	28	30	32	25	23	19	25		
6	11	23	20	13	7	4	10	21	27	30	23	25	34	27	52	55	61	56	48	36	30	34	41	52	31		
7	53	35	27	7	3	11	4	7	6	10	12	17	30	32	42	31	28	29	25	26	25	19	19	10	21		
8	7	20	27	15	14	19	7	6	9	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6		
9	0	0	0	0	0	0	0	0	1	5	12	19	30	31	36	36	43	50	53	35	3	3	3	3	15		
10	0	0	0	0	0	0	0	0	7	13	27	46	61	78	83	85	79	81	81	70	53	31	27	37	41	38	
11	40	39	34	27	23	14	17	23	37	59	68	74	79	75	66	66	75	69	59	49	36	40	31	35	47		
12	33	24	18	21	19	15	15	26	29	18	16	21	23	9	9	21	19	15	10	7	6	6	10	17	17		
13	12	13	16	17	16	8	3	3	4	6	9	***	25	27	29	27	27	29	23	20	18	15	11	1	16		
14	0	0	0	0	0	0	2	5	14	16	22	24	32	37	38	38	39	34	29	29	23	13	13	15	18		
15	20	19	4	14	11	2	0	1	3	11	20	32	42	48	53	55	56	54	51	38	28	23	23	26	26		
16	24	24	21	16	14	16	15	13	28	33	31	24	26	44	52	***	***	***	***	***	***	***	***	***	***	***	
17	***	***	***	***	***	***	***	***	***	34	49	52	61	69	72	59	60	57	55	40	30	36	39	53	***		
18	41	33	29	25	22	14	14	15	22	26	31	31	31	44	47	49	39	35	29	6	0	0	8	11	25		
19	12	11	12	12	7	4	3	11	26	31	41	45	43	42	64	72	49	65	58	60	41	41	52	36	35		
20	36	37	17	13	9	9	8	13	***	50	53	55	78	81	94	95	89	81	72	67	59	55	55	56	51		
21	41	29	17	20	22	16	21	24	17	24	30	30	29	30	35	34	36	40	37	29	24	14	12	8	26		
22	4	1	0	0	0	0	0	0	9	15	22	27	29	30	35	29	28	30	31	32	18	3	0	2	14		
23	11	8	6	15	13	8	7	10	17	18	21	23	39	59	64	56	44	31	9	11	7	8	2	0	20		
24	0	0	0	0	0	0	1	3	9	19	29	41	51	44	61	96	94	83	86	70	43	30	30	29	34		
25	29	29	27	16	20	24	20	31	47	59	65	75	92	90	84	76	54	48	40	37	48	53	53	60	49		
26	49	47	42	42	28	8	13	22	27	27	15	8	13	9	8	16	35	39	40	35	24	2	0	0	23		
27	2	7	12	13	5	1	2	3	14	25	35	35	38	31	44	50	45	43	33	25	26	24	19	24	40		
28	16	14	11	3	0	2	5	***	***	62	77	96	57	92	115	111	64	56	43	23	17	4	12	40	33		
29	14	17	12	6	3	3	3	6	26	40	61	77	78	71	68	70	69	62	52	24	15	7	6	4	14		
30	0	2	5	6	5	4	4	6	16	***	***	38	31	33	39	21	25	22	16	12	9	7	6	4	13		
MEAN	18	16	14	12	10	7	7	10	18	25	32	38	43	45	50	51	50	45	39	31	23	18	18	19	26.6		



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	6	8	14	15	17	10	11	15	23	25	30	23	31	32	30	27	27	20	16	13	13	22	18
2	21	25	26	26	26	22	19	22	22	19	13	14	22	24	25	28	31	26	30	28	26	26	28	32	24
3	35	35	19	23	19	19	13	16	11	13	13	6	8	6	5	5	8	7	6	5	5	5	5	5	12
4	6	7	8	12	17	14	13	17	***	19	23	28	26	29	34	37	41	32	26	30	25	16	19	14	21
5	2	1	1	1	1	1	3	6	15	27	26	35	48	48	54	54	50	54	43	40	25	9	25	16	24
6	17	13	10	8	16	8	11	23	40	46	50	53	57	66	52	***	82	86	72	52	29	35	34	30	39
7	21	27	28	16	9	4	5	14	32	59	78	91	104	108	105	97	89	74	59	46	37	38	27	28	50
8	19	18	17	15	8	6	10	17	21	26	28	28	29	30	30	29	24	24	21	17	8	9	6	2	18
9	0	0	0	0	0	0	4	7	20	35	31	39	38	45	55	62	63	66	66	52	37	34	26	18	29
10	35	48	47	26	26	16	6	6	9	13	21	22	24	32	32	25	25	26	26	19	8	4	8	6	21
11	9	5	2	2	2	2	5	6	15	15	15	17	18	20	21	21	21	19	13	11	2	0	0	11	25
12	0	0	0	2	2	0	2	***	***	24	26	30	36	35	35	36	42	46	44	40	37	45	37	26	25
13	26	34	37	35	25	18	10	14	18	20	26	28	26	31	29	27	23	21	16	13	14	12	4	5	21
14	5	4	6	9	20	14	7	10	15	19	22	34	40	43	52	57	44	43	51	61	58	44	34	30	30
15	30	22	15	5	3	4	6	9	21	25	26	29	35	36	35	32	24	22	19	10	15	16	10	6	19
16	7	7	8	8	6	5	6	8	10	10	10	11	11	11	10	10	10	9	7	2	2	1	0	0	7
17	3	3	3	1	0	0	0	0	0	0	0	8	39	46	65	52	67	81	76	70	25	23	16	17	25
18	19	11	11	7	5	0	2	11	49	70	68	89	78	85	82	83	84	79	70	44	41	37	36	28	45
19	23	15	28	34	26	18	20	32	35	45	56	53	68	82	62	94	102	94	82	61	45	59	59	53	52
20	51	31	13	11	8	9	8	12	28	40	66	93	104	99	104	103	94	82	72	58	71	78	68	55	57
21	62	34	42	44	30	19	13	11	22	36	41	49	70	81	72	43	17	26	15	13	17	9	4	6	32
22	8	7	7	13	18	20	15	19	23	38	68	83	85	82	79	79	87	82	69	52	43	34	26	18	44
23	14	16	23	35	30	27	25	23	24	25	27	31	35	36	26	20	24	21	21	19	20	16	11	8	23
24	2	1	0	0	0	1	9	9	15	17	20	22	26	29	***	31	34	35	30	25	27	27	25	29	18
25	27	32	32	28	24	13	4	9	16	21	20	46	52	56	53	50	52	54	61	63	48	40	25	14	35
26	12	14	15	14	15	15	11	10	15	***	44	66	79	86	96	72	74	62	46	33	8	4	3	6	35
27	16	14	14	10	8	5	5	7	7	13	17	36	37	35	32	28	32	35	21	13	8	10	10	7	18
28	7	9	10	8	5	2	2	3	9	12	15	22	31	39	40	70	75	56	21	6	8	9	5	15	20
29	14	21	24	14	4	6	16	17	15	36	43	48	49	63	63	48	46	37	21	24	23	20	15	13	28
30	12	12	13	14	13	12	11	12	12	13	15	17	20	22	24	25	28	30	26	20	13	10	6	5	16
31	8	5	1	0	0	0	0	4	11	24	29	35	45	52	55	***	77	74	60	49	40	31	30	16	28
MEAN	17	15	15	14	12	10	9	12	19	26	31	38	44	48	49	47	48	46	39	32	25	23	20	17	27.3

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	3	3	3	3	2	2	2	2	10	4	15	22	42	53	68	61	48	54	35	37	25	3	2	2	21		
2	14	22	12	16	11	0	0	7	28	36	44	59	74	67	51	52	35	34	35	34	13	16	***	3	29		
3	8	7	8	10	9	6	11	12	30	18	29	39	54	58	45	41	36	37	39	33	14	13	14	8	24		
4	6	8	6	1	1	1	1	2	10	14	***	22	27	36	40	48	61	51	62	57	31	10	19	20	23		
5	10	1	0	0	0	0	2	9	31	39	48	57	65	71	65	58	61	59	57	43	28	13	11	12	31		
6	2	0	0	0	0	2	9	33	44	57	66	79	92	99	110	105	117	118	109	95	50	46	47	22	54		
7	8	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8	28	8	11	4	4	12	4	6	9	23	23	25	39	44	49	32	28	30	45	27	13	13	3	0	20		
9	0	0	2	7	7	1	0	2	10	17	21	29	41	50	52	51	62	70	68	40	14	7	5	2	23		
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11	10	8	9	6	1	2	2	6	34	36	35	****	45	55	62	63	65	52	45	34	31	30	28	12	29		
12	19	9	12	5	4	3	16	25	41	48	63	69	76	88	81	88	87	79	68	50	26	24	4	0	41		
13	10	2	3	0	0	0	0	4	16	53	97	123	121	118	106	95	91	89	82	56	40	32	30	27	50		
14	23	32	26	4	0	0	0	0	17	61	76	75	81	79	80	70	61	69	82	63	52	50	58	59	47		
15	64	56	47	36	25	15	14	21	27	30	48	63	89	97	93	88	85	80	81	61	50	50	53	56	55		
16	48	39	30	26	20	30	7	****	****	23	41	38	37	34	39	37	39	32	28	28	23	30	21	20	30		
17	19	20	17	11	4	2	3	4	11	20	30	37	37	48	48	54	48	44	39	18	27	11	5	15	24		
18	6	3	1	2	0	0	0	****	16	15	29	38	57	62	58	73	62	71	65	43	37	29	19	29	31		
19	24	11	16	9	5	5	9	13	22	22	29	42	48	44	38	32	25	23	19	13	16	14	9	9	21		
20	7	6	2	7	3	5	5	13	14	17	22	28	33	37	46	48	46	41	32	29	15	12	2	0	20		
21	0	0	0	0	0	0	0	2	18	17	26	27	30	38	40	43	48	51	40	22	6	7	5	20	18		
22	20	32	20	18	3	2	3	3	6	38	70	73	82	102	108	115	112	79	78	48	30	36	51	43	49		
23	25	24	5	0	0	0	0	12	****	****	19	18	25	57	60	53	57	46	44	41	33	29	3	5	21		
24	25	27	28	31	30	28	18	12	18	25	36	48	64	49	48	52	46	37	48	43	17	18	19	18	33		
25	15	15	15	12	17	25	17	16	19	26	31	34	35	44	66	71	53	47	44	38	45	44	42	46	34		
26	34	34	42	42	37	34	30	35	42	51	56	62	71	83	88	88	90	92	79	61	55	47	36	31	55		
27	26	19	16	18	23	22	7	4	7	9	8	19	27	29	35	30	30	25	27	30	24	18	21	15	20		
28	7	5	2	2	0	0	0	2	10	14	18	23	27	29	30	30	24	21	15	8	0	0	0	0	11		
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
31	5	5	5	5	5	5	3	3	5	11	12	17	25	25	35	36	36	35	28	18	10	10	6	5	15		
MEAN	16	14	12	9	7	7	6	10	19	26	37	44	53	57	59	59	56	53	49	38	27	22	20	19	30		

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	4	3	3	3	3	3	3	16	21	****	54	72	66	63	65	50	15	12	11	8	6	21
2	6	9	10	9	6	5	5	8	15	27	31	48	68	73	90	95	94	95	93	84	68	38	31	26	43
3	19	21	27	29	35	46	39	37	39	42	52	60	70	58	46	40	38	35	26	17	14	14	16	19	35
4	18	15	15	10	8	11	14	11	16	21	34	42	52	62	86	54	79	76	45	35	14	8	4	3	31
5	4	3	3	3	3	3	3	3	4	10	17	30	46	78	70	72	73	75	79	50	44	9	2	2	29
6	2	2	2	3	3	3	2	5	****	52	86	104	92	93	86	74	69	49	39	19	6	16	22	45	38
7	32	14	15	23	25	21	6	8	18	30	46	74	103	118	119	110	96	96	69	72	66	19	10	0	50
8	0	0	0	0	0	0	0	3	****	25	40	84	113	102	86	65	72	66	57	46	9	8	12	13	35
9	13	15	16	23	29	28	22	16	13	22	22	24	32	32	34	32	31	37	34	24	22	19	10	10	23
10	11	19	22	23	23	16	9	8	6	16	45	67	85	114	113	100	92	104	91	52	38	49	39	25	49
11	36	43	40	30	14	7	3	4	11	21	35	42	70	80	63	46	12	24	17	14	8	23	25	14	28
12	31	32	38	36	29	18	10	10	12	9	6	3	4	3	3	2	2	3	4	4	6	9	10	12	12
13	16	13	13	13	12	10	10	7	****	15	14	16	17	16	16	18	16	19	17	18	19	16	12	6	14
14	0	0	0	0	0	0	0	0	0	6	10	20	25	29	25	9	3	2	3	2	2	2	9	14	7
15	6	5	0	5	4	0	0	0	5	8	15	****	24	35	30	14	19	33	13	14	9	9	14	2	11
16	16	12	2	12	8	4	2	8	17	24	29	39	49	55	59	53	68	77	69	52	17	7	14	13	29
17	17	16	17	16	14	10	3	1	1	4	10	13	20	39	46	50	46	47	34	31	24	17	7	2	20
18	2	1	6	9	8	5	4	3	3	3	4	16	26	35	23	14	12	12	6	3	3	10	13	9	10
19	3	4	7	8	8	4	3	3	4	7	10	9	13	17	19	26	18	14	3	2	14	17	17	20	10
20	24	27	25	23	16	11	0	0	****	8	10	17	71	82	73	54	48	24	19	8	6	5	3	7	24
21	5	8	10	6	4	5	3	3	****	10	8	3	5	4	8	6	5	4	4	4	4	6	4	4	5
22	4	3	3	2	1	1	1	1	****	8	12	9	12	16	12	6	12	12	7	0	0	0	0	0	5
23	0	0	0	0	0	0	0	0	0	9	21	25	27	30	31	30	33	30	29	23	9	6	6	3	13
24	2	2	2	3	3	3	3	3	4	10	35	57	68	68	71	68	63	60	45	11	19	16	21	23	28
25	28	22	21	17	10	5	5	5	7	11	16	19	20	21	17	17	14	12	10	11	5	5	7	5	13
26	4	4	11	4	3	3	3	3	4	6	10	15	21	24	27	26	28	27	19	7	4	3	6	8	11
27	8	4	4	4	4	4	4	4	4	6	15	15	30	58	71	61	30	18	7	8	9	7	6	5	4
28	4	4	3	3	2	2	2	2	2	7	8	10	13	16	19	17	19	15	3	2	2	2	2	2	7
29	2	5	6	5	7	3	3	****	7	20	22	20	21	19	19	13	15	18	3	0	0	0	0	0	9
30	0	0	0	0	0	0	0	3	15	19	22	29	37	54	34	9	12	9	5	0	0	0	0	0	10
MEAN	11	10	11	11	9	8	5	6	9	16	24	33	44	50	49	41	39	38	30	21	15	12	11	10	21.3

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	3	3	4	0	3	7	11	17	20	23	23	26	25	25	23	19	10	4	5	4	4	4	11
2	2	2	2	2	2	2	2	2	***	19	17	10	15	23	25	22	20	25	15	7	8	4	4	5	10
3	6	11	14	8	15	4	2	2	7	13	10	12	10	6	4	3	0	0	0	0	10	0	0	0	6
4	0	0	0	0	0	0	0	0	0	1	1	4	8	8	9	9	8	****	5	0	0	0	0	0	2
5	0	0	0	2	4	3	1	1	8	13	22	25	30	28	14	5	4	10	0	0	8	4	3	3	8
6	5	3	0	1	3	0	0	0	***	***	9	12	9	8	6	3	9	6	6	13	12	12	13	13	7
7	10	8	2	2	6	3	2	3	4	8	14	13	13	18	15	18	15	10	5	8	3	7	5	8	8
8	7	6	3	5	5	5	3	7	13	17	23	24	26	20	21	19	17	10	4	0	0	0	0	10	
9	0	0	0	0	0	0	0	0	3	11	15	21	12	14	27	28	26	21	7	3	9	3	0	0	8
10	0	0	0	0	0	0	0	0	5	5	6	10	27	34	39	43	44	30	14	20	16	15	3	1	13
11	4	0	0	0	0	1	1	1	6	***	***	***	31	21	28	26	28	19	27	25	19	15	14	6	13
12	7	12	14	14	0	1	2	0	4	14	20	24	20	22	15	7	4	9	2	0	0	0	0	0	8
13	0	3	3	0	0	0	0	0	0	2	7	8	11	18	***	12	9	6	9	8	10	10	13	14	6
14	14	20	23	20	22	2	0	0	6	13	16	16	15	20	15	16	12	15	14	7	10	7	0	0	12
15	0	6	12	18	14	10	8	10	12	22	22	20	13	13	11	9	8	4	2	9	3	4	5	13	10
16	15	25	27	26	23	12	15	4	6	9	7	6	8	13	10	10	13	13	7	8	8	2	2	3	11
17	***	0	0	0	0	0	0	0	0	***	***	19	20	18	15	17	11	6	0	0	0	0	0	0	5
18	0	0	0	3	8	7	3	0	0	0	0	0	0	0	14	5	2	0	0	0	0	0	0	0	2
19	0	0	0	0	0	0	0	0	0	0	2	9	13	12	10	13	7	3	0	0	0	0	0	***	3
20	0	0	0	0	0	0	0	0	0	2	5	11	16	17	16	15	13	4	3	0	3	0	0	0	4
21	0	0	0	0	0	0	0	2	8	9	16	24	30	36	41	41	33	16	10	13	17	10	1	4	13
22	5	5	7	10	8	11	4	8	10	8	14	0	0	0	0	0	17	11	12	28	12	8	8	6	8
23	19	19	20	14	12	7	0	0	0	0	0	3	4	6	8	5	4	5	6	9	11	6	3	7	7
24	7	0	0	0	0	0	0	0	0	0	***	11	15	17	11	14	11	7	3	3	2	***	0	0	5
25	0	0	0	0	0	0	0	0	2	7	4	9	12	9	3	6	9	4	3	4	5	3	3	3	4
26	5	8	3	3	5	5	1	1	2	2	2	1	4	5	6	5	2	***	2	0	3	5	2	0	3
27	0	***	0	***	0	0	0	0	2	3	4	12	7	11	***	11	7	0	0	0	0	0	0	0	3
28	0	0	0	0	0	0	0	0	0	3	11	11	13	15	16	15	12	9	3	0	0	0	0	0	6
29	0	0	0	0	0	2	2	2	5	12	15	20	20	11	19	10	16	8	2	0	0	0	0	0	6
30	0	3	9	3	0	0	0	0	2	9	14	17	19	22	20	13	6	0	0	0	0	0	0	4	6
31	2	4	0	0	0	0	0	0	0	1	5	11	17	20	14	10	8	2	8	7	4	0	0	0	5
MEAN	4	5	5	5	4	2	1	2	4	8	11	13	15	16	16	14	13	9	6	6	5	4	3	3	7.2

## UNITS - PARTS/BILLION

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - PARTS/BILLION

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	6.8	18	26
FEB	28	10.1	18	49
MAR	29	18.2	52	95
APR	30	22.9	36	63
MAY	31	34.9	77	211
JUN	28	26.6	51	115
JUL	31	27.3	57	108
AUG	27	30.1	55	123
SEP	30	21.3	50	119
OCT	31	7.2	13	44
NOV	28	5.6	23	58
DEC	30	4.3	10	22
YEAR	354	18.0	77	211

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	531	166	43	0	0	0	0	0	740
FEB	392	165	98	15	0	0	0	0	670
MAR	251	172	159	119	9	5	0	0	715
APR	178	138	179	191	21	0	0	0	707
MAY	163	124	113	199	65	21	36	13	734
JUN	210	118	118	138	88	19	4	0	695
JUL	191	158	150	124	80	27	7	0	737
AUG	201	99	102	148	98	26	13	0	687
SEP	328	148	76	69	60	20	10	0	711
OCT	520	152	45	9	0	0	0	0	726
NOV	572	90	11	15	2	0	0	0	690
DEC	629	88	3	0	0	0	0	0	720
YEAR	4166	1618	1097	1027	423	118	70	13	8532

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.4	0	0.0	3.4	10.5	21.7	43.5	59.6	83.5	98.3	211	18.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 13021 MOE WATER PUMPING STAT.MIDDLE RD. MERLIN															MONTH - JAN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	14	14	17	16	16	16	17	20	23	24	24	26	23	23	26	29	25	25	31	32	29	25	34	23
2	32	31	26	23	11	7	6	12	27	20	24	26	27	27	27	28	28	26	24	22	21	24	25	25	23
3	25	23	22	19	18	17	16	18	20	21	23	26	26	26	26	25	22	20	20	19	15	19	20	8	21
4	2	9	9	24	27	23	15	8	10	14	17	18	20	19	18	22	24	23	23	20	14	3	0	0	15
5	2	2	7	6	5	6	7	6	4	4	7	9	11	9	7	6	1	0	0	0	0	0	0	0	4
6	0	0	0	0	0	0	0	0	0	4	8	7	8	9	10	10	7	4	0	0	4	10	9	7	4
7	4	0	1	2	3	5	6	8	11	10	9	10	10	8	7	6	3	0	0	0	0	0	0	0	4
8	0	0	0	0	0	0	7	7	0	0	0	0	0	0	0	0	0	13	18	24	24	25	24	25	7
9	25	25	26	27	28	30	29	29	29	29	30	***	31	30	28	27	27	23	21	25	25	26	27	28	27
10	30	30	30	30	30	28	27	26	26	26	28	30	32	32	32	30	29	27	21	19	18	9	6	7	25
11	8	11	12	17	20	17	13	14	14	18	18	20	23	23	22	20	16	14	14	9	6	3	4	5	14
12	4	2	0	0	0	0	0	0	3	6	12	15	15	14	13	13	12	5	5	5	8	10	10	7	7
13	15	14	10	2	11	15	9	7	10	12	16	17	20	21	21	20	20	19	11	3	12	18	20	20	14
14	19	22	23	26	28	29	29	29	29	29	29	30	31	31	32	32	32	31	29	30	31	30	30	30	29
15	28	27	25	14	11	11	11	12	10	15	16	19	25	30	32	32	30	27	25	22	16	16	20	21	21
16	24	18	12	10	8	9	15	6	8	16	20	22	25	25	26	26	21	18	18	17	10	2	2	0	15
17	***	***	***	***	***	***	1	3	3	6	10	16	19	21	22	21	15	10	11	14	11	15	16	19	13
18	26	27	29	30	29	25	27	27	27	27	28	32	36	36	38	37	36	15	11	2	0	2	9	4	24
19	1	1	0	0	0	0	0	0	10	18	24	28	29	29	28	26	28	29	29	29	28	24	22	25	17
20	25	23	22	25	33	34	34	32	28	25	25	27	28	29	30	31	33	31	31	31	30	30	30	30	29
21	31	31	30	29	28	27	11	16	15	16	20	25	33	39	41	40	27	15	14	13	13	26	28	24	25
22	13	4	0	8	12	13	7	7	10	17	19	23	26	29	31	32	32	32	27	24	19	14	10	10	17
23	13	12	11	9	6	6	7	11	17	24	26	25	29	32	33	34	30	24	12	19	30	22	18	16	19
24	12	12	12	16	23	23	23	21	21	26	30	31	36	36	36	41	28	22	14	15	17	17	18	16	23
25	13	10	6	0	1	1	3	9	10	12	16	18	21	19	19	17	13	6	1	0	0	7	11	8	9
26	7	4	13	11	11	11	12	16	19	20	21	20	21	22	22	22	22	23	28	27	27	28	26	25	19
27	24	23	22	23	23	24	25	24	23	22	21	22	24	24	25	27	27	26	23	21	21	21	19	18	23
28	17	17	15	12	9	6	11	12	12	11	18	20	22	27	31	31	30	27	24	21	20	22	21	25	19
29	27	25	21	18	18	23	26	26	26	27	27	28	30	31	32	32	34	34	34	31	28	25	21	11	26
30	7	18	18	8	16	23	18	22	28	28	24	25	28	30	33	34	35	36	30	28	25	25	15	17	24
31	18	19	24	24	24	22	19	15	11	10	13	16	22	25	28	29	28	27	27	27	25	24	19	15	21
MEAN	16	15	15	14	15	15	14	14	16	17	19	21	24	24	25	25	23	20	18	18	17	17	16	15	18.1

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 13021 MOE WATER PUMPING STAT.MIDDLE RD. MERLIN															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	18	17	13	13	14	14	12	14	15	17	22	28	30	34	34	29	24	20	22	21	25	26	30	21
2	27	25	21	18	15	15	17	14	15	17	20	25	32	32	33	35	30	22	20	17	16	4	5	15	20
3	19	13	2	0	0	0	0	0	5	13	18	24	41	56	39	39	43	32	26	54	49	10	0	0	20
4	1	2	2	4	20	28	19	10	13	22	23	26	30	32	34	35	36	27	27	28	30	33	34	31	23
5	29	28	27	29	26	24	17	19	18	17	21	25	32	34	37	39	40	38	32	30	28	22	23	27	27
6	27	31	31	30	29	28	29	27	26	26	28	29	32	33	34	34	34	32	30	29	27	28	28	30	27
7	27	27	28	29	29	28	29	29	28	27	27	28	31	32	33	33	32	30	27	26	26	30	30	27	29
8	25	21	20	12	9	8	1	1	5	10	19	27	31	34	35	41	50	49	35	8	11	25	26	22	22
9	27	13	2	6	6	1	4	15	18	23	31	34	38	42	47	49	60	63	26	10	20	27	23	12	25
10	2	0	0	0	0	0	0	2	7	15	19	32	52	62	66	55	49	38	36	32	23	21	18	15	23
11	14	13	14	13	11	10	11	11	16	23	27	34	45	51	54	55	54	51	44	39	36	34	32	31	30
12	25	15	13	16	15	19	24	20	22	26	30	42	48	50	51	52	52	44	31	23	22	28	34	32	31
13	29	26	26	29	25	23	16	10	11	14	22	34	40	40	39	33	32	26	20	20	20	22	29	35	26
14	34	32	32	31	30	31	31	28	27	27	31	35	39	41	44	44	42	25	26	18	24	32	37	42	33
15	43	34	17	12	6	7	7	8	16	23	32	40	45	47	50	54	55	56	56	48	42	45	43	42	35
16	38	39	38	35	34	31	25	22	24	27	34	39	46	50	51	50	50	51	47	45	48	46	36	36	39
17	40	39	36	34	34	32	31	26	24	27	29	35	43	49	52	53	53	42	42	42	41	41	31	24	38
18	17	14	13	12	12	10	9	10	17	20	26	31	41	50	59	52	48	46	38	32	28	30	32	32	28
19	24	21	13	6	3	2	0	3	10	16	28	36	68	82	73	69	70	93	76	66	61	54	49	46	40
20	38	38	35	35	27	25	23	17	17	21	31	37	44	48	52	53	53	54	28	26	34	30	15	10	33
21	15	16	17	39	44	41	31	7	8	12	21	35	41	35	54	54	54	52	42	35	28	36	40	34	33
22	34	31	25	19	24	24	20	17	17	20	26	38	51	48	53	56	56	34	35	35	35	27	21	19	30
23	16	17	17	9	11	13	17	20	27	31	36	43	51	54	56	56	51	46	39	40	27	24	16	32	32
24	15	11	7	12	21	24	28	27	26	24	25	38	46	51	53	55	54	51	49	47	50	40	41	42	35
25	41	43	42	32	30	27	30	31	28	28	30	38	50	55	60	60	55	52	47	44	36	32	26	26	39
26	25	25	23	15	10	15	19	18	20	27	33	36	41	44	45	45	42	40	34	30	15	14	16	23	27
27	19	18	11	17	24	25	26	29	24	29	32	38	44	45	47	45	51	53	44	34	36	48	52	49	35
28	44	47	48	49	50	51	40	41	43	45	48	57	65	71	75	76	77	78	76	59	61	63	64	61	58
MEAN	26	23	21	20	20	20	19	17	19	22	27	34	43	46	49	48	48	45	38	34	32	31	30	29	30.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - SW NO 13021														MOE WATER PUMPING STAT.MIDDLE RD. MERLIN										
																MONTH - MAR 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		60	48	34	34	40	40	31	22	24	33	37	40	45	48	50	50	49	45	37	34	29	24	26	27	38
2		24	29	21	20	20	16	4	5	15	21	33	***	70	66	61	54	***	44	45	46	49	50	52	52	36
3		43	42	49	57	54	48	43	39	36	37	43	44	51	54	53	51	51	53	50	43	36	36	35	16	44
4		4	10	30	32	34	35	35	33	33	34	35	38	41	43	44	44	46	45	39	35	31	32	33	31	34
5		26	28	32	32	30	30	30	30	29	30	36	46	52	56	67	69	69	58	58	57	54	51	45	42	44
6		43	42	42	36	31	32	33	30	29	35	41	47	56	62	67	68	64	64	46	34	31	34	39	45	44
7		36	5	0	0	21	24	34	38	47	40	42	55	63	59	58	59	56	53	55	47	48	57	55	40	41
8		30	31	31	17	26	21	14	12	20	25	31	43	49	51	52	50	42	48	49	39	36	30	35	33	34
9		34	29	13	0	0	0	0	0	8	20	-	-	-	34	29	13	0	0	0	8	16	26	37	48	15
10		46	39	30	29	29	28	27	24	21	36	60	79	92	93	94	93	77	73	62	53	33	59	82	78	56
11		80	88	86	94	102	95	77	49	65	95	108	115	121	129	137	134	132	129	115	114	113	105	84	65	101
12		57	61	80	64	54	52	55	61	58	57	56	54	50	50	51	51	50	49	48	32	23	19	19	24	49
13		27	28	31	45	51	53	53	51	42	21	21	19	29	36	58	63	65	60	76	81	75	66	64	54	49
14		40	32	27	31	36	41	42	45	43	38	31	27	31	39	52	58	59	53	51	50	43	42	46	51	42
15		53	47	38	28	30	28	24	25	26	26	30	33	34	31	28	42	***	49	42	36	29	23	19	23	32
16		36	35	30	32	31	25	26	28	32	34	37	40	40	43	45	45	42	38	34	35	44	48	48	39	37
17		30	35	23	13	10	7	7	12	20	31	38	49	58	57	53	49	49	47	44	42	40	39	32	18	33
18		11	14	17	23	23	14	12	21	28	30	32	38	49	51	53	49	46	43	40	39	34	30	31	32	32
19		33	34	32	30	30	28	29	31	33	35	36	39	45	47	48	49	48	45	42	38	38	37	35	26	37
20		23	20	27	37	38	38	37	37	37	37	39	41	46	48	49	47	50	52	51	50	48	36	39	28	40
21		28	32	28	28	25	23	24	28	26	18	13	8	16	29	34	34	34	26	23	22	18	17	18	19	24
22		22	18	19	20	20	14	7	13	17	17	20	23	28	27	26	29	26	25	22	9	2	1	1	0	17
23		0	0	0	10	15	15	16	15	15	18	21	25	33	34	31	31	30	30	30	29	24	20	32	33	21
24		35	35	35	34	34	32	32	32	30	30	30	30	32	32	32	34	34	34	34	34	34	31	29	27	32
25		25	30	29	28	27	27	29	29	33	33	35	36	36	36	36	38	38	40	40	40	37	37	36	33	33
26		35	35	35	30	30	30	27	27	27	25	25	25	27	27	27	27	27	27	23	15	13	9	5	11	25
27		18	17	14	14	15	19	21	14	20	21	20	16	18	22	25	34	34	34	32	27	23	20	14	13	21
28		19	16	26	25	20	18	24	24	25	25	23	26	28	28	28	30	30	32	33	32	28	17	22	19	25
29		16	23	28	19	24	24	25	21	26	31	34	34	34	34	34	34	34	32	30	28	30	31	25	21	23
30		22	23	15	12	6	0	2	7	12	17	22	32	***	41	39	38	37	38	34	29	32	32	31	32	24
31		32	30	28	22	7	0	0	0	0	3	8	13	20	35	38	39	35	30	24	25	21	25	48	53	22
MEAN		32	31	30	29	29	28	26	26	29	31	35	38	44	46	48	48	47	45	42	39	36	35	36	33	35.9

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION																			
		STATION - SW NO 13021														MOE WATER PUMPING STAT.MIDDLE RD. MERLIN										MONTH - APR 78									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	51	55	54	53	54	53	52	49	45	44	40	41	34	33	34	34	36	34	35	31	30	29	30	28	41										
2	30	32	34	37	38	39	38	35	38	39	39	40	43	43	42	44	43	44	42	37	37	37	35	37	38										
3	39	35	35	33	35	37	37	38	37	37	36	36	35	35	34	34	35	34	34	32	31	28	25	22	34										
4	17	15	14	13	12	12	9	11	15	18	26	28	27	26	24	29	24	16	6	17	21	19	14	5	17										
5	13	26	27	29	30	29	26	29	29	32	38	39	47	34	36	36	36	36	38	38	36	37	45	33	33										
6	32	33	47	41	32	29	25	25	26	26	28	28	32	30	28	26	25	24	23	20	14	10	4	3	25										
7	0	3	17	17	20	16	14	20	23	25	29	38	45	47	49	49	47	44	37	38	37	32	30	26	29										
8	16	14	21	28	27	28	28	29	29	28	28	29	31	31	31	32	31	30	28	27	27	29	29	28	28										
9	29	29	30	29	28	27	24	29	38	40	36	31	34	34	37	40	39	36	29	27	23	19	37	43	32										
10	40	37	36	32	29	29	30	28	30	31	31	34	36	38	40	42	44	44	44	47	43	40	35	38	37										
11	36	34	30	28	29	28	10	21	17	14	16	19	26	36	34	41	39	38	35	32	31	29	28	26	28										
12	22	16	18	25	27	25	25	28	33	30	26	35	41	46	50	52	54	53	52	48	49	44	41	37	37										
13	35	31	28	24	24	29	28	24	25	25	24	24	25	25	29	28	25	22	21	21	15	19	20	22	25										
14	26	25	25	24	24	14	9	25	30	35	37	40	44	46	47	47	45	42	36	30	27	35	31	26	32										
15	16	14	4	4	21	27	29	29	34	32	35	36	37	37	34	31	30	29	29	26	19	19	21	21	26										
16	15	16	12	9	14	14	16	19	25	33	33	31	34	33	32	32	33	33	31	24	23	18	19	20	24										
17	18	15	6	18	20	22	27	30	34	35	38	42	38	41	42	44	42	44	38	25	20	18	23	20	29										
18	28	37	45	48	46	41	35	33	34	37	40	43	44	44	44	47	47	43	45	44	41	35	26	21	40										
19	19	20	16	25	28	23	16	19	21	23	29	33	41	44	46	50	49	52	51	48	44	48	43	41	35										
20	40	37	30	18	18	17	20	24	27	29	30	26	30	37	39	40	40	39	39	28	23	15	27	28	31										
21	32	31	36	35	29	35	33	34	29	23	27	36	31	33	38	41	41	41	42	39	36	34	31	28	34										
22	24	15	16	18	19	20	22	27	32	37	42	46	46	45	45	45	45	44	42	33	25	27	23	18	32										
23	24	28	23	30	20	25	34	39	42	44	46	47	47	48	49	48	47	48	47	46	46	45	46	40	40										
24	44	43	41	39	38	36	38	36	36	34	30	27	32	38	40	45	47	44	44	34	27	30	23	19	36										
25	18	19	20	19	17	14	13	24	29	32	37	42	47	48	47	49	53	53	48	43	37	24	24	20	33										
26	21	19	19	21	23	21	23	28	34	43	43	44	49	51	52	52	48	41	38	32	30	27	27	24	33										
27	18	16	16	17	19	20	21	23	26	28	37	44	45	45	45	45	43	42	40	36	31	25	17	17	19										
28	12	5	3	9	13	14	17	19	29	24	22	48	53	47	55	52	50	49	48	39	45	46	44	35	32										
29	28	12	5	3	9	13	14	17	19	29	24	22	48	53	47	55	52	50	49	48	39	45	46	44	35										
30	26	25	21	15	13	14	10	8	13	26	37	44	55	66	54	54	51	37	36	34	31	30	28	28	27										
30	26	25	21	15	13	14	10	8	13	26	37	44	55	66	54	54	51	37	36	34	31	30	28	28	27										
MEAN	26	25	25	25	25	25	24	27	30	32	33	36	39	40	40	41	40	39	37	33	30	29	28	27	31.5										

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																	UNITS - PARTS/BILLION									
STATION - SW NO 13021 MOE WATER PUMPING STAT.MIDDLE RD. MERLIN																	MONTH - MAY 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	33	31	27	22	29	25	27	30	35	35	37	39	42	41	39	37	38	40	37	35	29	26	25	24	33	
2	23	16	20	23	24	22	21	21	29	36	35	39	43	45	46	44	43	43	40	32	23	23	19	18	30	
3	21	22	22	12	7	5	13	21	29	35	40	42	56	53	52	47	45	44	38	28	18	16	16	16	29	
4	18	20	30	27	28	25	25	28	31	32	34	36	41	38	38	39	40	39	38	36	35	34	32	28	32	
5	30	30	31	32	31	31	30	29	28	28	28	27	26	26	23	24	24	26	24	19	20	19	14	11	25	
6	11	12	16	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
7	DATA INVALID -																									
8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	26	25	21	17	23	21	25	27	32	33	*****	
9	31	31	34	34	35	33	36	34	32	34	38	39	39	37	38	38	39	40	35	30	29	26	24	22	34	
10	19	21	20	17	14	11	13	22	25	26	25	32	35	37	41	52	57	46	42	37	32	29	29	31	30	
11	31	18	10	12	17	21	24	26	30	36	43	51	51	48	47	43	46	47	48	43	44	48	50	50	37	
12	35	23	33	44	41	30	23	21	23	30	37	41	40	42	45	49	52	50	48	43	40	37	38	40	38	
13	41	36	28	29	32	29	27	27	29	31	45	41	42	41	40	44	44	41	42	44	34	28	27	30	36	
14	32	35	36	33	33	34	31	30	34	42	42	42	48	50	51	45	43	37	35	35	34	38	43	36	38	
15	35	41	42	40	41	44	45	42	41	38	39	41	45	46	49	50	52	49	40	37	38	37	36	37	42	
16	31	30	28	26	23	22	22	25	28	31	32	39	43	47	48	48	48	48	39	31	26	22	21	34	34	
17	19	25	24	27	31	33	26	25	27	35	38	56	45	38	40	45	49	49	44	40	37	37	34	32	36	
18	24	18	17	7	2	4	13	21	27	31	38	42	47	53	64	68	70	60	54	43	37	43	43	28	36	
19	31	37	29	17	4	3	7	14	22	35	44	60	71	83	106	91	83	76	73	75	71	62	79	70	52	
20	50	37	30	31	33	18	19	29	37	42	56	71	81	80	75	67	56	52	52	53	52	48	43	40	48	
21	27	20	21	23	26	27	27	27	30	30	31	30	31	34	35	36	36	32	28	25	19	12	13	27	27	
22	6	0	0	0	2	3	6	13	18	27	37	40	42	41	41	38	35	32	25	27	30	31	28	23	34	
23	26	25	24	24	23	26	29	28	28	29	32	39	44	46	48	59	57	46	35	37	35	30	28	27	34	
24	25	24	18	16	17	19	22	22	29	38	42	50	59	60	61	74	77	75	61	42	31	20	22	41	36	
25	21	22	21	20	14	15	16	23	40	67	78	86	100	99	89	87	94	90	85	68	39	26	20	38	52	
26	41	44	45	38	41	39	30	46	67	65	69	80	97	101	103	105	109	117	110	62	38	47	66	64	68	
27	71	76	71	72	69	67	70	78	90	92	91	87	85	85	97	102	99	91	87	79	79	77	78	80	82	
28	71	57	47	54	59	50	43	40	45	51	59	69	86	93	100	110	116	100	84	70	64	62	59	56	69	
29	46	42	37	29	24	19	20	25	34	41	52	68	83	89	87	90	92	78	75	76	77	65	66	55	57	
30	43	43	39	32	31	28	28	28	47	45	46	50	55	55	*****	69	73	49	49	51	50	51	42	46	46	
31	37	35	31	30	25	21	22	24	36	50	66	79	77	73	60	54	51	55	51	35	20	32	20	14	42	
MEAN	32	30	29	28	27	25	26	29	35	40	45	51	55	56	57	58	58	54	51	44	39	37	36	35	40.7	

PERCENTAGE OF DATA VALID - 91.9

PERCENTAGE OF DATA INVALID - 8.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																	UNITS - PARTS/BILLION									
STATION - SW NO 13021 MOE WATER PUMPING STAT.MIDDLE RD. MERLIN																	MONTH - JUN 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	10	9	11	11	8	6	8	20	26	32	49	85	81	92	109	125	124	120	98	79	42	31	32	34	52	
2	27	27	23	16	15	15	15	22	27	32	36	44	45	46	43	37	33	26	28	22	15	17	13	15	27	
3	16	17	19	20	20	18	17	20	28	32	41	42	50	56	55	55	54	53	53	51	53	46	45	34	37	
4	29	29	29	35	20	8	14	30	44	50	56	61	64	70	74	77	71	72	70	61	61	68	60	52	50	
5	43	50	42	37	34	28	26	25	25	28	32	35	38	39	39	39	44	48	47	42	31	29	32	31	36	
6	34	29	21	18	19	19	20	26	30	32	36	40	46	57	66	74	74	80	86	68	57	60	65	56	46	
7	43	25	19	24	27	28	35	39	40	42	43	42	45	42	44	43	45	51	53	51	45	43	48	53	40	
8	45	38	23	23	21	21	32	45	41	23	19	17	22	22	23	24	23	19	19	20	25	26	23	27	26	
9	29	23	17	17	14	13	10	16	28	37	37	42	59	82	71	67	66	66	50	35	26	22	18	13	36	
10	9	6	5	4	4	6	20	29	31	38	40	53	77	90	97	99	93	94	90	85	88	75	62	57	52	
11	48	43	41	38	38	39	40	44	50	59	73	82	86	89	90	91	82	81	85	84	74	59	54	48	63	
12	37	35	34	32	30	30	32	37	46	53	58	54	47	40	45	46	48	50	46	36	28	22	19	19	39	
13	22	24	25	26	19	18	14	11	19	24	25	27	31	*****	36	38	40	40	38	32	24	10	13	13	25	
14	10	6	11	14	13	14	18	24	29	35	37	37	43	52	48	46	47	44	42	39	36	34	35	34	31	
15	34	33	21	15	13	15	18	20	24	23	22	24	24	30	45	55	54	56	52	41	43	47	48	46	33	
16	31	29	19	10	7	7	13	22	23	23	36	46	49	50	57	59	65	73	63	60	55	50	43	48	39	
17	45	46	47	46	45	39	30	28	29	37	53	64	75	76	76	72	71	71	64	55	48	55	54	55	53	
18	45	42	40	44	43	37	35	31	31	38	43	46	51	54	64	65	72	65	60	46	29	22	20	31	44	
19	35	39	45	40	37	36	25	33	43	48	50	52	52	52	53	54	54	53	50	46	34	30	27	23	42	
20	28	23	30	31	31	25	29	34	44	60	70	86	102	97	96	99	102	95	98	93	95	94	80	72	67	
21	65	43	56	60	55	53	49	43	44	58	71	73	67	77	77	69	60	56	50	44	38	33	31	32	54	
22	31	25	22	21	19	16	16	20	29	36	42	51	51	58	68	72	75	68	56	44	38	38	31	24	40	
23	15	7	22	22	15	21	26	28	35	38	*****	41	54	60	61	49	51	47	37	29	24	17	14	9	31	
24	9	8	7	7	7	4	11	12	15	27	40	38	45	45	47	51	52	51	48	51	44	41	41	38	31	
25	36	35	34	29	26	24	28	35	56	68	72	78	80	84	90	91	87	80	72	66	69	64	59	63	59	
26	57	59	54	47	46	35	39	37	36	37	38	32	27	29	34	39	49	55	56	52	46	42	48	43	41	
27	49	48	43	36	25	22	24	24	35	55	77	85	73	71	79	83	77	64	52	50	45	40	38	51	48	
28	30	21	17	15	14	12	20	23	26	31	38	55	64	68	71	86	105	114	119	94	80	78	69	67	54	
29	64	41	16	14	15	10	13	22	39	47	57	65	57	75	102	110	106	76	56	54	47	39	36	21	49	
30	10	8	10	18	23	24	23	25	26	37	39	48	57	57	62	62	46	31	25	20	14	11	12	12	29	
MEAN	33	29	27	26	23	22	23	28	33	39	45	51	56	60	64	66	66	64	59	52	46	42	39	37	42	



		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - SW NO 13021														MOE WATER PUMPING STAT. MIDDLE RD. MERLIN										
																MONTH - JUL 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	7	11	17	18	18	19	21	21	21	26	29	32	32	34	36	35	34	30	29	24	24	24	24	23	24
2	25	21	17	14	11	12	17	14	15	19	21	24	28	32	33	34	35	36	34	32	35	35	35	34	26	
3	37	35	34	32	29	25	25	25	28	30	32	34	38	39	41	36	24	24	23	21	20	19	19	19	29	
4	21	19	17	14	15	14	13	16	19	22	26	34	40	38	40	42	42	40	38	37	37	34	22	11	27	
5	4	5	7	6	4	1	7	19	26	39	44	43	47	47	48	47	47	45	47	46	24	17	18	22	28	
6	28	31	26	25	22	15	18	18	26	40	44	48	56	70	79	90	88	86	88	93	96	99	70	42	54	
7	34	32	32	34	24	16	17	22	26	31	37	71	83	91	89	89	91	92	88	81	69	62	61	66	56	
8	27	28	35	32	29	28	30	32	35	39	44	51	53	57	59	59	54	39	33	30	26	21	13	8	36	
9	7	8	5	0	0	1	8	18	25	37	42	48	61	66	65	65	64	61	60	56	47	34	48	48	36	
10	50	38	24	37	30	24	23	23	18	21	19	21	29	29	29	29	30	33	32	25	14	13	14	15	26	
11	11	10	9	5	5	7	8	16	19	22	26	25	24	24	25	26	29	34	32	25	18	9	6	9	18	
12	10	12	7	3	2	0	5	12	29	32	35	37	39	43	46	53	56	73	87	76	57	47	45	43	35	
13	42	46	51	51	51	49	44	39	45	49	55	63	69	69	70	71	65	64	60	50	39	34	29	26	51	
14	28	24	23	27	28	29	34	35	27	33	43	51	46	46	49	50	53	57	55	44	60	41	30	28	39	
15	31	36	42	33	30	31	31	30	42	62	64	65	70	83	87	89	89	84	85	80	62	42	28	19	55	
16	19	19	20	18	16	13	12	13	14	18	20	19	22	21	21	23	24	24	25	24	18	13	11	6	18	
17	6	5	5	4	4	4	5	12	15	22	25	29	31	32	34	36	35	40	39	35	32	36	26	24	22	
18	26	28	27	10	12	4	7	25	31	37	41	49	52	53	64	74	76	78	81	82	73	72	83	78	48	
19	50	40	38	30	29	24	28	40	50	65	75	87	96	99	93	99	101	103	93	79	81	102	103	75	70	
20	53	53	55	44	37	32	31	37	45	52	63	75	82	88	87	91	94	87	79	70	49	54	52	43	61	
21	43	34	22	25	27	21	14	17	23	27	32	38	46	52	56	57	45	32	23	18	16	9	11	12	29	
22	13	11	8	5	5	7	12	14	18	23	28	35	38	45	53	45	46	45	39	36	29	22	19	16	26	
23	16	16	16	13	11	12	15	14	12	12	12	12	15	17	14	10	10	11	11	9	5	3	1	1	12	
24	1	2	2	2	1	1	1	2	4	8	9	10	12	13	15	15	16	15	15	11	7	4	4	5	7	
25	9	8	5	7	3	1	0	5	9	11	13	14	16	17	18	20	65	70	69	61	52	50	53	40	26	
26	38	36	32	29	29	31	32	33	38	43	49	62	79	84	87	89	85	81	80	66	47	37	23	16	51	
27	32	33	31	32	30	27	23	23	27	35	38	44	51	51	73	60	50	45	33	27	29	16	14	13	33	
28	9	8	9	9	9	8	8	14	16	24	35	29	38	45	53	46	39	32	27	22	22	23	28	24	40	
29	34	29	26	28	25	27	29	32	30	38	49	54	60	63	66	75	65	40	37	37	33	27	22	40	16	
30	20	18	14	12	10	9	10	12	19	20	21	23	24	23	24	25	26	24	9	7	10	4	1	1	16	
31	6	9	11	11	11	10	8	9	15	29	29	31	34	41	57	78	73	62	64	43	45	42	39	40	33	
MEAN	24	23	21	20	18	16	17	20	24	31	35	41	44	48	51	53	54	52	50	44	38	34	31	27	34.0	

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - SW NO 13021														MOE WATER PUMPING STAT. MIDDLE RD. MERLIN										
																MONTH - AUG 78										
HOUR		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																										
1	39	27	32	32	25	18	19	23	25	30	45	56	67	68	65	68	74	68	60	63	61	63	57	42	47	
2	26	28	28	11	7	9	16	20	26	43	50	67	72	74	73	70	60	52	48	49	47	39	31	27	41	
3	26	20	14	8	7	9	18	21	29	32	36	35	39	41	47	81	111	76	73	56	15	9	11	19	35	
4	16	7	10	4	2	1	9	10	15	22	26	28	31	36	39	42	45	43	42	33	23	17	17	15	22	
5	12	7	9	2	4	0	8	24	33	42	42	43	47	52	53	54	51	49	48	41	23	11	8	14	28	
6	11	10	3	7	12	7	12	20	32	51	60	64	65	71	72	83	94	93	90	59	40	51	39	26	45	
7	23	15	24	30	32	42	38	32	24	21	38	44	43	45	45	49	49	49	42	32	30	28	28	34	35	
8	34	34	29	26	19	8	13	20	29	43	48	52	66	64	71	76	66	64	61	61	59	56	50	55	46	
9	58	54	47	40	43	39	35	40	46	44	53	62	66	63	67	79	50	38	34	26	26	32	19	11	45	
10	12	12	9	10	9	8	12	15	14	19	23	28	34	34	43	44	47	48	41	32	14	10	7	5	22	
11	6	0	0	0	3	2	0	12	33	42	45	44	49	48	46	47	43	45	43	34	25	20	22	21	26	
12	23	21	11	10	9	10	12	31	40	47	52	56	61	60	59	62	68	69	54	42	37	32	11	23	38	
13	14	7	5	3	0	11	19	41	49	63	67	71	72	76	73	76	78	77	72	51	39	35	24	16	43	
14	14	13	10	8	13	12	15	37	49	66	64	63	68	64	72	77	81	86	83	86	82	79	78	67	51	50
15	70	61	47	34	19	22	26	33	38	45	52	64	72	77	81	86	83	86	82	79	78	67	51	50	58	
16	51	45	42	38	34	35	38	28	32	35	39	46	58	59	66	66	66	66	52	43	34	35	37	38	29	
17	34	28	20	16	15	12	15	16	24	29	37	51	64	79	83	75	69	59	54	21	31	24	25	29	44	
18	25	22	24	22	17	18	21	17	24	46	54	64	64	76	74	76	72	74	69	63	55	51	59	49	47	
19	39	33	29	25	23	20	22	21	27	36	47	63	70	73	69	61	39	30	32	28	23	17	24	14	36	
20	9	4	9	10	6	2	5	8	11	15	19	30	31	29	36	45	48	48	30	26	16	9	7	5	2	
21	0	0	0	0	0	0	0	9	11	21	31	32	35	37	41	44	46	49	46	30	18	17	27	21	21	
22	11	37	46	35	7	2	2	11	33	48	59	63	88	113	132	105	102	96	104	84	51	61	58	62	59	
23	53	46	44	32	45	30	23	28	38	54	71	75	81	84	97	101	103	101	92	65	60	68	80	62	61	
24	57	57	47	42	40	28	29	37	53	61	72	73	75	89	120	113	86	78	66	51	45	54	48	48	37	
25	48	44	38	34	32	34	35	36	36	35	44	45	48	47	46	48	49	45	41	31	21	19	14	8	37	
26	12	13	14	12	15	15	16	19	25	32	34	38	39	41	45	60	68	68	66	37	21	15	20	21	31	
27	22	20	16	13	13	18	19	34	39	48	56	61	60	64	69	61	58	58	60	60	60	64	60	44	36	
28	41	41	41	39	41	40	37	32	28	26	33	38	45	53	51	55	64	60	43	34	32	32	28	20	40	
29	19	22	19	13	12	10	12	15	21	30	30	46	45	51	50	47	43	38	29	20	15	12	7	4	25	
30	4	1	1	1	1	4	3	4	6	12	18	20	23	25	31	26	22	17	10	9	17	12	11	11	12	
31	7	5	3	3	0	0	0	3	6	9	12	19	25	28	30	30	29	32	29	10	17	12	12	9	14	
MEAN	26	24	22	18	16	15	17	22	29	37	44	50	55	59	63	65	63	59	54	42	35	33	30	28	37.7	



POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 13021 MOE WATER PUMPING STAT.MIDDLE RD. MERLIN															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	6	7	0	0	0	10	16	20	29	34	36	37	38	39	40	35	30	18	21	24	21	21	21
2	10	19	22	16	10	12	11	19	31	41	47	53	53	60	59	56	59	61	58	63	63	60	49	42	41
3	37	30	34	32	35	32	29	25	28	35	39	39	39	36	30	32	26	18	16	14	14	15	18	16	28
4	12	8	8	7	6	6	6	9	11	15	17	19	21	22	20	22	22	22	21	20	20	19	18	20	15
5	18	13	13	10	7	6	5	8	14	22	29	34	38	40	44	40	53	55	57	43	29	28	30	29	28
6	25	14	11	4	0	0	6	11	24	33	44	49	54	65	59	56	49	51	46	29	27	37	32	27	31
7	24	21	19	17	15	13	11	13	17	28	35	44	50	52	51	53	52	56	48	38	31	30	28	17	32
8	42	22	13	7	8	7	8	12	18	25	38	53	65	***	71	63	55	53	31	26	22	18	12	15	30
9	15	14	14	14	14	14	13	12	10	10	11	12	14	15	17	17	16	14	14	14	14	13	16	15	14
10	13	13	11	10	9	7	4	6	8	13	19	27	29	40	41	42	40	39	37	30	31	34	34	27	24
11	21	20	20	18	17	12	11	13	15	18	24	27	30	33	34	36	34	30	26	23	23	23	21	19	23
12	18	18	17	15	14	12	7	7	9	11	13	8	5	3	3	4	3	0	0	0	2	2	2	3	7
13	5	6	6	7	7	7	6	6	6	7	7	7	9	9	9	9	9	9	9	8	7	6	6	7	7
14	3	0	0	0	0	0	0	0	0	0	0	2	5	8	9	11	12	8	7	5	4	4	5	5	4
15	8	7	6	3	2	2	2	2	3	5	6	9	10	10	9	11	12	13	12	10	9	9	10	10	8
16	11	10	9	8	6	5	5	4	5	6	8	9	10	10	11	16	15	13	9	7	5	4	4	4	8
17	3	5	5	5	7	7	7	4	4	4	5	8	7	9	10	14	14	14	17	15	13	9	7	6	8
18	5	6	6	8	8	8	8	9	8	7	8	9	7	7	9	12	15	13	11	10	9	10	8	5	9
19	7	7	6	4	5	6	6	6	6	7	8	9	10	11	11	12	13	15	15	14	14	13	13	13	10
20	12	12	12	13	10	8	9	9	9	11	15	19	18	22	24	25	26	24	19	15	14	14	13	14	15
21	12	12	11	10	10	12	11	11	12	14	11	****	-	-	-	-	-	-	-	-	-	-	-	-	*****
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	15	13	12	10	9	8	8	9	12	16	20	24	26	26	28	29	28	27	24	20	19	19	17	16	17.9

PERCENTAGE OF DATA VALID - 68.1 PERCENTAGE OF DATA INVALID - 30.3 PERCENTAGE OF DATA UNAVAILABLE - 1.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION											
STATION - SW NO 13021 MOE WATER PUMPING STAT.MIDDLE RD. MERLIN															MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1															- DATA INVALID -											
2															- DATA INVALID -											
3															- DATA INVALID -											
4															- DATA INVALID -											
5															- DATA INVALID -											
6															- DATA INVALID -											
7															- DATA INVALID -											
8															- DATA INVALID -											
9															- DATA INVALID -											
10															- DATA INVALID -											
11	27	31	31	28	20	21	15	15	19	27	36	32	29	31	31	41	44	40	37	37	36	36	36	33	31	
12	30	25	25	25	23	24	24	21	21	23	31	26	37	40	46	37	35	25	18	27	24	20	10	18	26	
13	14	3	3	8	15	15	13	12	6	14	14	16	23	29	28	29	24	23	22	23	23	23	21	20	18	
14	22	20	22	23	23	24	22	21	23	21	24	27	29	29	27	28	27	25	19	17	13	14	8	1	21	
15	6	11	10	7	5	6	6	9	16	19	26	24	23	23	22	22	21	15	14	15	23	19	25	22	16	
16	20	19	21	27	22	24	28	25	19	16	15	17	25	24	25	24	28	24	19	15	8	10	10	9	20	
17	10	11	6	2	1	2	2	6	11	14	21	27	32	31	32	32	32	27	20	16	17	16	17	18	17	
18	20	19	19	19	17	19	17	9	11	16	12	12	18	17	14	8	7	6	6	12	10	13	13	14	14	
19	8	7	5	0	0	0	0	1	3	6	8	11	19	22	24	25	20	17	16	9	4	1	2	9	9	
20	7	8	7	2	0	0	0	0	1	3	10	13	20	30	26	25	24	23	18	13	12	16	17	14	12	13
21	11	14	15	15	14	13	14	18	22	26	32	35	39	44	41	43	43	41	43	38	28	27	26	26	28	
22	27	29	29	27	23	24	24	25	25	29	34	36	41	47	53	51	48	48	51	49	43	35	29	23	35	
23	20	19	18	15	20	15	6	5	6	7	9	16	20	22	24	25	26	24	23	20	16	14	16	13	17	
24	10	9	12	11	8	2	0	5	16	25	25	26	25	28	28	29	29	24	23	24	21	20	20	20	18	
25	17	17	13	8	11	11	9	9	14	15	18	19	21	22	22	22	22	21	16	18	20	19	18	18	17	
26	19	19	22	22	20	11	13	13	12	13	11	15	9	12	16	***	17	11	9	10	17	20	18	17	15	
27	9	0	4	10	16	12	8	5	9	14	19	21	27	26	27	25	24	21	22	21	18	14	12	12	16	
28	10	11	8	5	4	2	1	1	6	11	23	26	25	19	24	23	22	16	14	12	9	7	9	10	12	
29	12	10	11	10	9	10	11	13	16	20	25	24	24	26	26	26	25	18	8	12	8	6	5	8	15	
30	4	13	15	16	14	13	8	6	17	12	17	18	19	19	24	23	19	10	9	7	5	14	15	16	14	
31	21	21	20	19	12	12	11	11	9	14	17	20	30	27	28	23	21	18	15	16	15	11	14	10	17	
MEAN	15	15	15	14	13	12	11	11	14	17	20	22	26	27	28	28	27	23	20	19	18	17	16	16	18.5	

PERCENTAGE OF DATA VALID - 67.6 PERCENTAGE OF DATA INVALID - 32.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 13021 MOE WATER PUMPING STAT.MIDDLE RD. MERLIN															MONTH - NOV 78										
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	6	7	5	4	0	3	2	3	7	11	16	23	29	29	28	28	25	12	9	12	15	13	19	19	14
2	23	14	3	8	9	10	6	5	7	11	16	19	25	23	26	28	24	20	22	21	20	17	18	14	16
3	11	9	9	5	2	3	1	2	8	14	24	25	33	51	45	42	36	24	20	21	24	26	25	29	20
4	34	27	15	8	10	7	4	9	14	26	28	32	38	42	43	49	47	40	45	44	38	41	32	26	29
5	24	19	24	24	23	23	22	26	30	30	31	40	47	53	56	53	48	45	45	44	40	37	35	37	15
6	39	36	32	26	20	16	15	16	12	11	8	6	5	17	19	5	9	15	7	9	11	10	9	9	14
7	14	12	14	7	8	14	18	17	16	21	19	19	20	***	22	23	21	16	12	9	6	8	3	3	14
8	2	3	2	2	3	10	12	3	6	14	22	22	21	23	28	27	25	22	22	24	24	24	21	20	16
9	16	14	13	7	5	7	10	10	13	14	16	20	20	23	22	21	18	14	12	9	9	7	5	13	6
10	6	5	5	3	2	2	2	3	7	10	11	13	12	8	13	11	5	2	1	1	1	4	7	10	6
11	8	8	8	7	6	4	5	5	6	10	13	16	21	27	34	11	4	8	15	16	11	12	12	11	12
12	11	12	11	12	12	12	11	11	10	10	11	11	11	12	12	10	10	10	10	10	8	5	7	5	10
13	7	11	11	11	11	10	14	20	16	10	11	8	6	8	6	7	11	12	10	13	17	17	19	24	12
14	27	25	20	22	22	26	19	17	13	12	12	9	10	15	16	14	13	9	8	10	10	13	19	17	16
15	19	18	20	21	19	15	13	9	13	18	22	23	25	24	23	21	19	16	16	13	10	1	1	3	16
16	4	1	1	2	2	6	7	7	10	8	16	19	23	21	20	19	14	8	10	2	2	5	7	11	9
17	11	11	10	8	4	2	1	2	3	3	5	5	6	9	16	13	15	6	3	7	5	5	9	7	7
18	6	10	11	13	17	16	17	17	19	19	21	21	21	17	18	20	19	19	18	20	16	11	18	17	17
19	10	9	7	8	6	8	9	7	9	20	23	23	24	25	27	27	25	19	19	10	6	1	5	2	14
20	3	5	2	2	2	2	6	7	8	13	11	12	16	17	17	13	11	10	10	14	12	7	4	4	9
21	10	9	9	7	6	8	9	8	8	9	10	14	14	13	15	13	11	9	3	5	5	6	6	6	9
22	10	8	7	6	6	8	7	6	7	7	6	6	6	***	2	2	1	0	2	0	0	0	0	0	5
23	0	0	0	0	0	0	0	0	0	0	1	6	6	4	3	3	2	4	7	13	12	11	8	2	3
24	0	0	0	0	1	1	1	1	2	1	3	2	2	2	3	3	1	1	2	2	1	1	0	1	0
25	5	9	11	12	9	8	8	8	10	9	14	20	20	21	21	19	14	7	2	4	8	11	12	13	11
26	17	17	16	15	16	21	20	20	21	22	23	23	22	21	22	24	23	24	20	19	17	18	18	20	12
27	22	22	20	20	20	19	18	16	15	14	12	11	11	11	9	8	6	7	4	4	8	5	4	0	12
28	0	0	2	1	4	4	4	4	8	13	20	20	20	24	24	22	19	14	13	13	14	15	15	13	12
29	13	14	13	8	6	14	12	13	10	16	18	17	18	18	17	15	13	11	8	7	6	6	4	9	12
30	15	14	13	11	11	11	16	13	14	15	18	15	15	19	18	16	18	19	18	18	15	14	15	13	15
MEAN	12	12	10	9	9	10	10	10	11	13	15	16	18	20	21	19	17	15	14	13	13	12	12	12	13.4

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 13021 MOE WATER PUMPING STAT. MIDDLE RD. MERLIN															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	7	8	8	8	8	10	5	5	12	15	14	16	11	14	13	9	10	2	0	0	0	0	0	8
2	5	7	12	16	19	16	22	20	21	22	23	23	24	24	22	15	23	22	23	23	21	21	20	19	19
3	26	27	27	25	25	25	20	16	10	5	3	5	5	5	7	9	6	9	7	11	13	15	13	11	14
4	6	11	10	3	5	12	12	13	16	18	17	21	22	21	20	20	20	16	19	19	17	15	14	13	15
5	11	9	6	6	6	7	4	8	12	12	13	10	11	***	10	8	6	5	3	1	1	1	1	1	7
6	0	0	0	0	0	0	0	0	2	5	7	9	8	8	11	12	8	2	1	0	0	0	0	0	6
7	7	7	5	4	8	11	12	13	9	7	10	10	7	6	7	6	4	0	0	0	0	0	0	0	7
8	0	0	0	0	0	0	1	1	8	8	11	11	8	10	12	11	13	2	5	14	15	15	14	14	7
9	15	17	19	20	20	19	18	22	22	22	22	23	18	16	16	17	18	16	14	13	11	14	15	15	18
10	17	16	14	13	9	3	4	4	8	10	12	13	18	18	17	14	11	9	11	12	11	10	9	10	11
11	12	12	12	12	15	15	13	9	11	15	16	16	11	11	11	10	7	5	5	8	6	5	5	2	10
12	4	6	9	8	8	7	6	6	9	6	8	11	18	20	20	18	15	12	11	8	9	9	9	8	10
13	10	11	14	16	17	18	16	14	12	13	11	13	15	14	11	10	7	***	10	10	10	10	9	13	12
14	24	25	24	24	23	15	6	9	11	16	19	15	15	18	19	19	18	17	16	16	17	17	16	16	17
15	14	13	13	11	10	11	19	19	15	16	17	17	16	16	17	18	17	15	12	11	7	4	2	5	13
16	4	1	0	0	0	0	1	4	6	10	11	11	11	11	11	11	13	13	13	9	10	14	14	15	8
17	18	19	22	22	20	19	19	21	21	20	22	23	24	25	22	21	17	13	13	15	14	10	7	5	18
18	5	6	6	4	0	1	4	7	9	7	8	9	11	8	***	6	7	10	14	15	16	16	16	16	9
19	20	20	21	20	22	22	21	19	17	19	21	22	24	23	19	16	17	17	19	20	23	24	24	15	20
20	13	12	18	20	21	21	18	16	12	10	8	1	2	1	0	0	0	0	0	1	0	0	0	0	7
21	0	0	0	1	3	4	9	9	9	10	10	13	13	11	10	11	11	8	8	11	13	6	6	8	8
22	11	15	13	12	12	7	7	8	9	10	13	15	18	19	19	16	15	14	15	15	14	11	12	13	13
23	13	13	13	11	11	10	9	9	10	10	11	14	17	17	16	15	13	12	16	16	17	12	9	9	13
24	4	0	0	2	2	0	0	0	3	7	10	12	15	13	12	6	4	2	2	4	5	7	6	4	5
25	0	0	0	0	1	1	7	18	19	20	21	23	24	23	22	24	24	22	20	16	15	13	12	11	15
26	9	8	6	6	7	6	5	4	4	10	16	12	14	13	9	12	12	6	6	9	13	14	15	10	9
27	22	18	15	17	11	10	8	7	18	21	20	20	20	20	20	18	16	13	15	14	16	16	18	16	16
28	14	15	13	11	9	2	6	6	6	14	16	19	22	23	22	18	21	21	17	20	20	15	21	23	16
29	25	22	20	23	25	26	26	23	19	19	19	20	21	21	21	23	21	19	19	17	11	2	0	0	18
30	0	0	0	0	0	0	0	0	1	3	4	7	11	11	10	8	5	4	4	6	3	1	1	1	3
31	0	0	0	0	0	0	0	0	1	1	3	2	2	2	2	2	1	1	1	4	12	18	20	7	3
MEAN	10	10	10	10	10	10	10	10	11	12	13	14	15	15	14	13	12	11	10	11	11	10	10	9	11.4

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 13021 MOE WATER PUMPING STAT. MIDDLE RD. MERLIN

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	18.1	29	41
FEB	28	30.8	58	93
MAR	31	35.9	101	137
APR	30	31.5	41	66
MAY	28	40.7	82	117
JUN	30	42.8	67	125
JUL	31	34.0	70	103
AUG	31	37.7	64	132
SEP	20	17.9	41	71
OCT	21	18.5	35	53
NOV	30	13.4	36	56
DEC	31	11.4	20	27
YEAR	342	28.2	101	137

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 13021 MOE WATER PUMPING STAT. MIDDLE RD. MERLIN

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	193	193	287	64	0	0	0	0	737
FEB	60	117	176	237	78	2	0	0	670
MAR	44	81	184	306	97	12	13	0	737
APR	19	107	221	346	26	0	0	0	719
MAY	16	59	165	296	105	33	10	0	684
JUN	31	87	123	251	174	40	12	0	718
JUL	101	131	155	206	103	43	4	0	743
AUG	98	113	105	218	179	20	11	0	744
SEP	197	147	58	58	30	0	0	0	490
OCT	111	189	155	45	3	0	0	0	503
NOV	316	264	102	32	4	0	0	0	718
DEC	330	325	86	0	0	0	0	0	741
YEAR	1516	1813	1817	2059	799	150	50	0	8204

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.7	0	5.8	15.1	24.2	34.2	52.9	67.5	83.9	93.1	137	28.2

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION											
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JAN 78											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	9	12	16	21	21	21	25	26	25	24	23	23	27	26	24	27	30	30	30	29	29	28	23
2	23	21	18	14	14	19	21	19	25	23	23	15	18	10	11	12	13	12	11	10	8	8	10	16
3	12	13	13	13	10	8	10	13	17	23	23	21	17	-	-	16	9	12	13	12	3	0	0	12
4	0	3	2	0	2	3	3	1	1	2	2	2	5	6	3	4	2	0	0	0	0	0	0	2
5	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	1	0	0	0	0	0	0	1
6	0	5	6	0	1	2	3	4	0	***	4	2	1	2	1	1	0	0	3	7	6	5	7	3
7	7	5	6	6	7	8	9	6	4	3	3	4	5	4	3	1	0	0	0	0	0	0	0	3
8	0	0	0	0	0	0	0	0	1	1	1	1	1	1	7	17	18	18	18	19	20	20	21	8
9	22	22	21	20	19	19	20	18	14	19	21	24	25	25	***	18	12	9	13	18	20	24	22	19
10	26	26	26	26	26	26	26	25	24	22	22	23	22	24	24	21	15	16	16	14	14	16	19	21
11	19	16	16	14	16	21	18	18	17	19	21	25	27	26	26	23	20	15	14	10	11	12	15	18
12	13	11	10	8	7	5	2	3	2	4	9	12	12	11	***	9	1	0	0	0	0	0	0	5
13	0	0	0	0	1	3	3	0	3	8	10	13	15	16	15	13	12	14	16	18	20	20	21	10
14	24	24	25	27	27	28	27	25	25	24	23	24	25	25	25	24	23	21	23	25	26	20	21	20
15	9	7	10	12	24	21	19	17	16	17	21	23	25	25	28	29	26	15	7	6	9	11	8	16
16	11	9	11	7	6	6	3	1	1	3	4	5	7	6	***	2	1	0	0	0	0	0	0	4
17	0	2	4	5	2	0	2	4	6	11	17	17	17	18	20	21	20	21	22	22	21	21	21	13
18	25	24	24	24	24	22	17	12	12	18	23	22	24	22	22	22	15	9	12	12	2	3	0	1
19	1	0	1	0	1	6	6	1	0	4	14	19	22	22	23	21	18	16	20	23	24	25	26	13
20	26	27	26	25	24	22	21	20	21	23	22	21	22	22	22	21	19	17	18	19	17	17	18	21
21	19	16	15	12	9	4	7	1	5	11	13	19	16	20	20	19	19	16	19	10	5	6	1	2
22	2	2	0	0	0	0	0	0	0	2	6	17	20	18	10	4	3	0	0	0	0	0	0	4
23	0	0	0	0	0	0	0	0	1	2	3	4	5	6	7	10	9	2	***	0	0	0	0	2
24	0	0	0	0	0	0	0	0	1	2	4	7	11	8	4	3	4	1	4	1	3	2	0	2
25	0	0	3	5	10	10	8	4	5	7	8	11	14	12	13	11	10	10	13	12	8	5	1	8
26	10	11	11	12	12	10	4	3	7	5	9	16	20	21	22	23	24	24	24	23	21	21	22	16
27	23	23	23	21	20	20	20	21	23	22	21	23	24	24	23	23	23	22	22	22	21	22	17	22
28	25	25	24	21	19	19	15	16	19	21	21	21	23	22	21	21	20	12	15	15	16	18	19	19
29	20	21	21	22	16	15	23	24	24	24	25	26	26	23	25	27	25	19	14	13	11	11	15	21
30	23	23	22	20	20	16	13	12	9	12	16	16	20	22	23	24	21	18	17	14	7	0	0	10
31	4	7	0	0	0	1	1	0	4	8	13	18	24	26	27	27	27	24	23	23	22	14	10	6
MEAN	11	11	11	11	11	11	10	10	10	12	14	15	17	17	17	16	14	12	13	12	12	11	10	10

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION											
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - FEB 78											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	9	11	18	23	22	18	15	13	9	11	17	24	25	26	26	24	22	17	2	2	6	3	1
2	0	0	0	0	0	0	0	0	2	6	11	16	20	22	22	25	20	12	11	6	7	10	11	9
3	14	16	17	21	22	21	15	11	***	16	19	22	25	26	27	28	24	15	8	4	6	2	1	16
4	0	0	0	0	0	0	0	1	3	8	17	19	23	26	26	25	24	15	4	2	6	10	12	7
5	13	11	13	15	15	9	8	2	7	9	14	19	27	27	28	29	25	26	20	17	20	20	19	22
6	26	24	23	23	23	21	18	13	11	19	23	24	24	24	26	24	19	18	23	19	18	20	22	23
7	26	26	27	28	28	28	26	24	20	23	24	23	25	24	23	24	23	22	25	23	19	12	13	23
8	24	26	24	21	15	17	12	6	7	15	24	25	26	26	25	24	22	17	12	4	6	5	7	10
9	16	23	24	20	22	20	16	7	5	-	20	23	24	25	28	31	29	26	22	18	9	4	6	2
10	5	7	14	19	15	8	9	3	5	11	15	20	28	33	37	38	38	35	26	23	16	12	14	19
11	14	9	7	10	5	3	2	9	11	15	22	25	30	30	33	38	37	29	25	23	29	25	20	14
12	16	19	19	19	21	20	18	17	20	22	26	28	28	29	31	31	30	28	20	19	21	16	18	22
13	15	21	19	15	8	5	2	0	1	4	8	16	22	24	26	26	25	25	28	26	28	27	26	18
14	29	28	28	21	21	19	14	5	12	17	20	21	27	27	27	27	23	16	10	6	6	8	2	1
15	1	0	0	0	0	0	0	0	2	6	8	20	19	25	23	21	17	20	22	21	18	13	10	11
16	9	2	0	0	0	3	2	3	10	13	15	20	13	12	16	17	13	9	6	1	2	5	10	12
17	13	15	17	20	14	10	6	2	5	***	10	15	23	31	35	34	28	26	22	18	16	5	0	0
18	0	1	2	2	1	2	0	2	9	14	18	24	28	28	27	31	32	31	19	22	13	4	6	8
19	5	17	11	19	17	15	17	10	11	12	17	22	29	30	31	34	35	40	23	15	22	25	21	12
20	10	18	19	11	9	9	10	3	5	10	38	42	35	26	27	28	23	23	34	7	8	1	2	6
21	8	3	4	2	4	6	3	7	11	18	21	26	31	33	34	29	26	29	32	30	25	25	24	21
22	21	23	25	25	15	11	12	16	13	14	16	20	28	26	26	26	25	9	5	2	4	7	13	5
23	1	1	1	3	6	10	2	0	2	4	14	23	26	29	23	21	12	5	1	4	2	2	8	15
24	17	18	20	25	21	22	16	15	16	19	23	29	27	26	19	12	7	4	11	13	23	30	13	19
25	7	8	10	8	11	12	14	15	17	23	27	29	40	41	43	50	51	41	39	40	34	31	29	23
26	24	21	18	20	18	21	24	25	20	25	26	29	30	31	34	35	33	32	30	19	15	15	13	3
27	18	28	29	31	31	31	18	15	12	23	25	29	30	31	34	33	27	25	13	11	11	2	1	6
28	10	4	5	6	13	26	17	7	10	17	29	36	26	26	28	30	28	24	28	38	31	32	36	39
MEAN	13	14	14	14	14	13	11	8	10	14	19	23	26	27	28	29	26	22	19	15	15	13	13	12

PERCENTAGE OF DATA VALID - 99.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION											
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - MAR 78											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	37	37	35	31	30	28	24	19	18	24	27	27	28	30	32	34	31	32	23	9	5	10	12	10
2	7	2	3	6	3	5	5	1	4	7	18	26	28	26	14	11	21	28	22	20	22	28	22	22
3	14	23	29	24	26	23	17	17	22	27	30	34	43	43	43	37	37	35	31	27	28	22	22	28
4	33	30	30	31	32	30	29	28	29	30	30	30	30	31	32	33	31	31	30	28	27	26	26	26
5	27	27	26	23	21	20	21	19	25	30	34	37	39	41	45	46	39	26	4	12	26	21	16	16
6	18	19	21	18	18	21	9	1	9	15	18	33	32	40	59	75	70	77	77	56	25	9	0	0
7	6	5	21	16	18	21	19	5	3	9	29	86	65	53	43	42	38	50	49	36	33	32	29	29
8	32	30	26	23	24	24	18	14	13	21	23	***	***	34	40	39	33	29	22	23	24	24	18	14
9	13	3	0	2	1	0	0	1	6	10	14	24	26	38	59	46	36	27	12	4	1	0	1	2
10	1	0	0	0	0	1	3	7	14	25	34	43	43	43	37	40	40	27	16	20	11	7	13	20
11	19	12	22	17	9	20	20	12	18	36	49	71	66	69	71	75	82	80	74	77	76	60	51	50
12	69	46	28	32	40	46	45	42	40	38	37	37	39	41	42	31	27	28	26	17	16	1	0	2
13	1	0	1	10	17	7	8	8	13	21	27	32	32	35	38	40	41	44	39	41	49	50	50	48
14	42	31	26	23	25	26	26	21	6	2	9	20	32	***	41	38	31	34	35	32	35	36	34	32
15	29	28	29	29	26	26	24	21	16	16	17	20	23	24	26	28	23	20	23	19	18	17	19	22
16	21	21	23	27	27	24	16	14	13	15	21	16	18	26	31	35	34	30	25	13	1	3	13	26
17	24	30	33	31	29	28	25	18	19	29	***	30	32	29	33	33	31	32	28	16	9	9	13	7
18	10	9	10	18	14	23	23	23	26	25	29	35	38	31	22	25	23	24	14	20	9	9	11	3
19	26	24	26	32	32	35	32	35	36	36	37	38	39	43	41	38	38	35	30	22	17	15	19	13
20	9	11	21	20	19	22	19	22	31	33	33	34	40	43	45	39	46	43	39	36	27	11	15	29
21	19	2	0	0	0	0	0	0	4	6	8	9	13	16	23	15	11	10	12	16	23	25	27	25
22	28	27	21	17	18	4	0	0	2	4	6	12	11	8	14	15	10	6	9	5	3	4	8	6
23	5	5	3	2	4	11	3	4	9	21	25	27	28	31	37	44	39	30	25	14	20	27	27	20
24	27	31	31	31	31	31	30	30	30	31	31	30	32	32	33	35	37	36	35	35	36	36	35	33
25	32	25	23	22	23	24	26	26	26	27	27	29	30	30	28	24	27	23	22	22	21	22	23	25
26	23	25	24	23	22	20	19	20	19	19	19	19	19	19	16	14	13	19	19	16	13	11	12	18
27	18	24	26	24	26	25	26	23	26	26	28	28	27	25	28	24	18	22	18	17	21	18	15	23
28	2	2	2	0	1	0	0	0	0	4	9	9	7	17	27	29	34	37	28	21	26	22	19	21
29	21	20	25	23	17	22	16	21	23	20	22	20	20	19	18	21	20	19	13	2	2	0	3	0
30	0	2	6	0	0	0	0	5	6	18	26	28	25	29	25	22	9	***	0	5	7	5	5	2
31	0	0	0	0	0	6	10	5	8	5	4	5	12	20	30	31	29	26	19	21	18	20	18	6
MEAN	20	18	18	18	18	18	17	15	17	20	24	30	31	32	35	34	32	33	27	23	21	19	18	18

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																									
POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	11	8	15	23	35	35	35	32	28	27	24	22	26	27	25	23	19	27	26	28	27	27	23
2	28	30	37	38	39	40	38	38	37	37	37	35	36	35	35	35	35	36	35	30	21	30	27	24	34
3	24	22	22	24	29	31	31	27	26	28	24	24	26	26	21	20	17	17	11	9	8	9	8	21	
4	9	10	5	5	5	3	4	4	7	11	14	5	4	4	4	5	3	2	4	15	12	12	16	22	8
5	29	31	31	24	18	14	11	13	21	21	24	23	27	27	***	26	26	27	22	5	2	6	11	14	20
6	16	20	19	21	16	20	17	14	17	20	24	23	26	23	24	23	19	20	21	17	13	5	3	4	18
7	9	14	18	9	10	10	5	18	17	***	24	25	29	34	34	33	23	21	20	14	14	12	6	7	18
8	9	22	22	23	22	24	22	18	19	21	20	22	22	22	22	23	23	23	21	20	25	20	24	15	21
9	22	27	30	28	20	16	13	30	32	34	36	28	33	29	29	31	29	26	23	10	13	18	18	17	25
10	14	8	23	27	25	23	23	20	23	27	27	27	30	32	39	38	28	***	37	35	28	18	20	23	26
11	18	0	***	***	10	16	12	9	8	14	14	19	22	29	32	34	28	30	30	23	25	23	24	19	20
12	25	23	20	20	17	14	11	9	13	11	10	9	16	13	34	40	41	43	44	38	36	36	34	36	25
13	35	35	30	27	28	28	27	23	22	22	***	23	22	22	20	20	19	19	19	22	22	19	17	23	25
14	19	16	16	25	26	22	17	21	24	24	27	27	30	27	30	29	16	14	24	24	21	16	15	3	21
15	4	11	13	20	18	18	20	17	30	28	29	25	24	24	21	21	23	23	23	15	8	7	16	14	19
16	13	12	7	0	0	2	6	12	18	25	26	26	28	31	36	35	36	33	25	20	20	28	23	24	20
17	29	27	34	35	37	31	28	29	29	31	33	33	33	30	30	30	30	30	27	22	24	24	19	18	29
18	18	19	19	19	25	21	21	25	34	37	39	35	41	41	39	31	18	***	41	40	38	41	37	31	31
19	27	29	31	34	31	27	22	13	***	15	15	17	19	23	29	24	5	15	18	28	35	27	21	8	22
20	11	12	17	22	24	26	29	27	27	32	34	36	29	39	27	26	21	20	20	21	23	23	26	27	25
21	35	30	27	34	34	30	23	***	26	21	27	31	32	32	32	32	34	33	31	29	25	13	4	28	
22	5	9	10	8	13	7	11	20	23	26	20	34	38	36	35	37	36	35	31	25	7	0	0	19	24
23	0	0	0	0	0	3	17	24	22	34	41	42	43	46	45	44	43	42	40	34	15	11	15	23	24
24	27	36	17	26	31	32	14	7	17	21	19	17	21	***	41	36	28	25	19	17	21	22	26	29	24
25	30	35	32	29	30	30	21	15	14	19	23	27	29	35	36	33	31	32	35	31	35	35	31	29	29
26	28	25	26	23	21	22	19	20	19	24	24	26	29	30	31	34	31	30	34	28	26	28	29	34	27
27	37	34	35	27	31	28	27	26	22	***	***	29	30	27	30	28	29	29	28	22	25	19	21	16	27
28	11	10	4	18	24	20	15	21	29	32	29	27	29	37	37	32	38	34	23	11	3	6	0	20	20
29	0	0	0	2	2	2	6	15	20	37	44	44	42	39	35	34	29	28	30	29	27	27	27	25	23
30	28	26	25	31	34	31	36	36	39	38	39	38	39	38	39	40	39	37	39	34	35	34	37	35	35
MEAN	19	19	20	21	21	21	20	20	23	26	27	27	29	29	31	30	27	27	27	23	21	20	20	18	23.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	32	31	29	32	30	27	26	29	29	29	29	30	****	35	33	34	36	36	35	35	26	31	23	25	31
2	27	28	30	27	25	22	18	28	30	30	31	32	31	35	32	29	32	32	34	26	15	6	2	5	25
3	10	6	4	4	4	3	10	20	29	28	31	34	36	39	38	35	37	38	36	21	16	18	29	32	23
4	33	20	21	20	21	18	16	21	28	34	34	36	30	29	30	18	34	29	26	25	27	27	26	23	26
5	28	32	30	30	27	22	15	12	14	****	****	11	14	10	7	5	5	8	5	4	6	7	5	12	14
6	11	10	15	19	16	26	21	27	27	22	31	35	39	42	42	44	33	35	30	19	20	8	6	6	24
7	14	17	14	3	2	2	9	22	29	34	39	38	42	41	41	38	33	30	22	5	44	41	39	35	24
8	35	31	28	29	32	33	26	30	34	27	27	25	****	****	22	17	16	9	3	1	5	14	2	0	20
9	0	0	3	3	4	7	4	8	20	27	31	30	37	31	33	36	35	37	31	28	27	25	18	23	21
10	24	21	22	22	23	20	15	20	22	25	26	14	22	25	26	27	31	35	36	29	14	17	23	21	23
11	21	19	22	17	9	8	9	16	26	21	23	31	****	****	17	18	18	11	6	12	23	34	36	35	20
12	36	40	38	29	28	34	29	31	36	32	24	35	32	32	30	28	35	28	32	29	32	25	25	39	33
13	36	35	36	25	25	18	17	24	32	31	30	36	35	43	44	43	41	36	34	41	39	31	26	29	32
14	29	29	30	36	38	36	39	41	40	37	39	34	35	37	32	22	26	25	33	41	44	41	34	29	34
15	34	42	46	47	42	30	21	18	27	20	22	19	22	****	25	20	24	22	20	26	18	23	25	27	27
16	28	30	27	30	31	24	18	12	21	18	18	21	24	30	28	23	28	30	24	27	30	27	19	30	25
17	34	34	33	31	29	15	24	23	23	30	32	34	34	29	27	22	18	17	25	11	10	12	11	19	24
18	12	10	9	13	20	8	6	5	8	67	47	13	35	70	62	51	53	47	36	56	16	0	0	0	27
19	11	19	5	0	1	6	5	13	22	****	44	50	48	49	55	50	46	54	53	44	22	5	4	2	26
20	3	17	11	5	1	1	6	24	34	23	36	52	54	48	50	42	20	38	31	13	42	40	27	20	27
21	18	19	22	20	26	26	25	27	26	26	25	27	27	26	29	29	28	28	22	15	14	6	11	23	34
22	2	0	0	3	1	3	17	28	74	83	76	94	77	62	53	50	50	45	35	3	1	1	3	3	18
23	3	1	1	1	1	5	5	11	14	20	18	****	25	31	33	31	36	30	37	18	27	21	18	16	18
24	34	38	32	28	26	39	27	31	33	36	32	42	42	46	51	43	58	54	52	51	38	36	39	20	39
25	8	23	17	6	20	8	3	7	18	37	53	78	82	76	83	78	75	50	37	31	14	17	26	0	35
26	0	0	0	0	0	0	27	42	48	86	101	110	113	120	104	127	129	121	109	80	56	39	19	20	60
27	0	3	15	8	22	28	43	39	55	47	54	84	103	84	78	82	92	105	64	61	7	6	7	9	46
28	18	7	22	14	15	17	50	48	85	90	82	77	88	96	103	101	81	86	63	37	37	46	47	59	55
29	45	42	40	37	39	32	24	31	46	60	63	77	77	75	77	73	68	73	79	63	60	52	53	41	55
30	55	44	46	35	28	10	13	****	46	31	36	40	54	61	64	62	53	42	10	4	17	13	16	28	35
31	18	5	4	7	5	5	9	20	28	30	37	35	38	39	35	36	34	32	28	17	8	16	26	23	22
MEAN	21	21	21	19	19	17	19	24	32	37	39	42	46	48	44	43	43	41	36	30	24	22	21	20	30.3

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	24	23	23	19	10	11	9	16	****	38	45	46	67	97	101	54	60	56	45	31	38	8	6	37
2	9	11	7	0	0	2	12	17	13	12	15	17	19	20	16	19	24	19	6	7	0	23	15	16	12
3	18	21	19	17	17	13	15	15	18	21	23	25	26	27	31	41	41	37	30	27	24	23	15	7	23
4	2	0	0	5	0	3	8	14	28	41	43	43	50	54	65	52	52	38	21	12	17	19	28	46	27
5	46	38	32	29	28	22	24	22	21	22	24	24	****	****	28	28	27	28	24	19	5	2	10	14	24
6	16	38	32	29	28	10	4	3	10	25	34	43	40	55	55	38	41	47	42	53	45	40	43	40	32
7	49	51	43	29	18	12	3	6	13	11	14	14	28	32	32	39	37	31	37	39	30	31	23	15	27
8	8	16	32	21	21	33	6	6	9	****	11	11	12	11	13	13	17	23	21	24	18	13	3	11	15
9	5	2	1	1	1	3	14	18	21	14	22	51	72	83	89	86	79	61	59	56	58	62	52	47	40
10	10	5	5	0	0	3	14	18	21	14	22	51	72	83	89	86	79	61	59	56	58	62	52	47	40
11	31	28	10	14	18	14	14	19	32	47	68	80	90	84	78	72	68	62	52	44	33	23	22	34	43
12	25	15	8	15	10	11	****	****	****	****	****	****	****	****	****	40	30	26	23	17	13	15	18	****	****
13	20	19	18	15	15	18	16	16	16	15	17	16	21	****	****	26	22	23	22	21	16	11	17	10	12
14	20	20	14	16	19	13	13	16	20	23	24	26	27	29	28	25	29	31	24	9	0	2	8	12	19
15	12	8	6	7	4	6	5	7	7	16	22	34	35	43	47	49	51	54	50	38	36	42	34	29	27
16	35	29	22	22	15	11	11	21	23	23	21	14	****	****	31	26	20	38	39	48	51	48	34	28	25
17	24	9	4	7	0	0	3	5	10	6	18	35	70	78	67	53	41	56	50	10	17	25	42	46	28
18	25	11	8	12	5	8	28	32	34	30	30	32	43	44	41	47	44	41	41	29	18	19	9	19	27
19	7	8	10	22	38	29	21	28	30	28	31	34	32	35	32	33	35	37	37	27	18	12	14	6	25
20	14	10	4	14	3	3	24	41	51	55	57	58	57	****	59	55	63	87	80	67	60	64	73	72	47
21	67	55	36	31	32	22	32	37	43	49	39	42	34	36	34	31	29	29	25	19	7	4	4	12	31
22	24	12	12	11	8	8	9	14	25	28	33	35	40	45	44	41	42	45	51	46	31	24	24	22	28
23	34	38	37	26	22	12	16	20	23	20	21	24	****	****	25	26	25	23	20	17	15	12	11	8	15
24	2	0	1	0	0	2	5	15	16	25	34	37	40	44	58	53	60	49	29	26	27	28	31	24	24
25	33	30	24	24	27	26	26	34	38	38	68	81	85	89	85	84	70	74	51	59	64	61	60	56	54
26	53	50	49	45	41	21	9	12	26	23	****	29	33	32	28	36	39	48	46	34	19	17	17	16	31
27	17	13	7	3	4	4	9	10	15	41	57	60	58	59	59	52	55	56	51	49	41	39	36	36	35
28	36	34	30	16	13	10	12	19	20	23	28	30	36	35	39	39	37	34	17	8	5	30	38	39	26
29	30	21	18	14	7	6	9	18	28	36	41	47	52	****	54	39	30	23	27	26	14	7	11	20	25
30	20	16	17	21	21	13	14	17	28	30	32	26	25	22	21	25	26	25	24	18	16	22	20	18	22
MEAN	24	20	17	16	14	11	13	17	23	27	32	36	43	44	44	43	41	41	37	30	24	25	24	25	27.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION														
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA															MONTH - JUL 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	17	14	13	15	15	12	11	13	14	13	10	12	18	21	22	20	21	21	21	17	8	2	2	8	14				
2	13	16	16	15	17	18	17	18	19	20	20	30	32	32	35	34	33	35	32	29	18	11	16	19	23				
3	20	18	18	16	16	16	15	15	15	17	17	16	19	20	19	17	16	19	22	20	20	18	13	11	17				
4	22	21	22	24	24	21	16	14	17	24	27	30	31	32	36	41	45	48	46	38	26	13	22	24	28				
5	23	22	14	5	7	7	2	52	89	50	42	39	38	30	43	46	59	77	81	29	26	21	17	19	35				
6	4	4	12	13	10	6	12	14	22	31	30	***	39	39	35	34	46	58	51	48	43	45	48	41	30				
7	54	54	50	35	25	22	11	11	17	37	61	55	76	92	95	91	79	77	60	61	62	58	46	31	53				
8	18	29	30	31	28	23	14	17	29	29	30	29	28	28	28	28	23	21	18	14	15	15	6	4	22				
9	0	1	2	3	1	2	5	13	20	26	29	35	53	66	59	52	56	65	59	44	30	10	18	16	28				
10	26	31	30	27	25	19	14	14	15	17	18	20	***	22	19	18	19	19	18	18	16	16	13	18	20				
11	16	11	10	10	11	12	11	13	15	16	18	18	21	19	19	19	20	22	23	19	6	1	0	0	14				
12	2	4	2	3	0	0	16	61	39	18	30	36	28	24	36	29	27	23	37	45	46	43	41	34	26				
13	39	37	36	38	35	20	12	15	31	42	38	37	34	32	41	43	47	50	47	34	28	22	19	19	33				
14	24	43	44	39	36	24	23	23	***	26	23	24	30	32	33	32	33	33	31	27	12	10	13	16	27				
15	15	18	9	18	9	7	8	18	48	68	68	62	64	58	56	51	60	83	35	22	15	18	18	35	35				
16	19	19	17	16	14	10	7	9	11	13	14	15	17	17	17	18	18	18	17	15	14	14	11	17	15				
17	17	19	10	4	3	1	2	7	14	17	16	16	18	18	19	20	21	21	19	16	13	4	0	1	12				
18	9	5	7	9	3	4	4	12	17	32	52	63	68	71	73	78	52	74	56	55	46	38	35	50	38				
19	47	35	19	6	0	7	9	21	18	***	-	-	-	-	-	-	52	74	56	55	46	38	35	50	38				
20	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	20	21	19	17	15	12	11	19	25	28	30	32	36	36	38	37	38	42	37	31	25	20	19	19	25.9				

PERCENTAGE OF DATA VALID - 58.9

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 40.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	12.4	24	30
FEB	28	17.2	27	51
MAR	31	23.1	47	86
APR	30	23.5	35	46
MAY	31	30.3	60	129
JUN	29	27.8	54	101
JUL	18	25.9	53	95
YEAR	198	22.7	60	129

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	327	197	212	0	0	0	0	0	736
FEB	196	193	224	55	1	0	0	0	669
MAR	157	148	242	169	21	2	0	0	739
APR	89	155	287	177	0	0	0	0	708
MAY	118	112	197	220	56	17	13	0	733
JUN	116	169	161	165	77	12	1	0	701
JUL	63	165	76	86	42	6	0	0	438
YEAR	1066	1139	1399	872	197	37	14	0	4724

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.8	0	2.6	13.8	21.0	27.4	39.9	50.8	70.5	81.2	129	22.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS. SARNIA

MONTH - JUL 78

STATION 56 NO 14554		TEMPERATURE IN DEGREES F																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												-	DATA UNAVAILABLE	-											
2												-	DATA UNAVAILABLE	-											
3												-	DATA UNAVAILABLE	-											
4												-	DATA UNAVAILABLE	-											
5												-	DATA UNAVAILABLE	-											
6												-	DATA UNAVAILABLE	-											
7												-	DATA UNAVAILABLE	-											
8												-	DATA UNAVAILABLE	-											
9												-	DATA UNAVAILABLE	-											
10												-	DATA UNAVAILABLE	-											
11												-	DATA UNAVAILABLE	-											
12												-	DATA UNAVAILABLE	-											
13												-	DATA UNAVAILABLE	-											
14												-	DATA UNAVAILABLE	-											
15												-	DATA UNAVAILABLE	-											
16												-	DATA UNAVAILABLE	-											
17												-	DATA UNAVAILABLE	-											
18												-	DATA UNAVAILABLE	-											
19												-	DATA UNAVAILABLE	-											
20	-	-	-	-	-	-	-	-	-	-	-	-	35	40	33	41	34	56	68	70	50	40	30	27	*****
21	26	24	25	24	23	****	****	****	****	****	26	28	****	****	75	91	78	56	41	36	31	29	26	26	39
22	19	17	9	1	0	1	9	13	31	44	48	50	60	63	69	71	61	68	50	36	23	8	14	16	33
23	36	38	39	38	34	32	28	26	26	22	24	19	17	22	26	26	24	22	21	20	13	11	9	4	24
24	5	4	8	9	5	3	10	5	15	18	23	26	27	29	29	27	26	25	21	15	9	4	5	9	15
25	6	1	0	1	2	2	4	6	36	42	41	50	59	***	87	86	85	78	58	45	39	20	32	37	36
26	28	16	10	2	5	8	10	4	13	24	36	52	77	97	94	75	68	30	9	20	25	8	15	31	
27	16	12	22	16	14	13	9	16	26	31	35	41	49	26	29	29	31	26	21	16	15	14	13	12	22
28	11	10	10	10	9	6	6	10	12	****	****	14	14	17	19	18	21	25	23	10	11	16	13	17	14
29	20	19	19	15	11	9	7	7	17	28	40	41	46	50	40	32	38	36	35	33	26	22	20	18	26
30	18	17	16	15	14	11	8	10	11	12	14	15	16	15	15	16	16	16	16	12	7	5	0	0	12
31	3	5	6	6	4	0	1	6	23	27	28	34	37	45	47	48	51	55	70	49	36	38	22	17	27
MEAN	17	15	15	12	11	9	9	10	21	28	32	34	40	40	47	47	44	41	36	30	24	18	16	17	25.8

PERCENTAGE OF DATA VALID - 35.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 62.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA														MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	18	16	17	14	13	9	11	39	22	24	41	53	60	82	72	58	54	45	34	31	28	25	23	13	33		
2	17	14	14	5	8	8	8	11	25	30	12	28	39	34	42	40	38	25	19	17	13	24	29	25	22		
3	19	14	18	19	30	31	21	19	20	20	23	24	25	27	25	23	23	23	20	13	3	10	15	17	20		
4	13	15	12	12	7	2	2	7	16	****	****	23	25	25	26	29	31	31	32	16	9	8	11	10	16		
5	14	15	11	14	2	1	21	95	44	37	41	48	53	52	53	64	85	76	50	36	23	15	7	9	36		
6	20	10	10	16	23	24	28	35	42	48	59	65	69	67	67	69	68	64	62	31	16	26	16	13	40		
7	7	3	4	6	9	13	13	26	37	39	46	50	49	47	48	52	55	57	56	43	38	39	32	37	34		
8	35	29	26	20	21	22	19	26	38	66	68	71	58	****	-	65	59	53	43	32	28	37	48	44	41		
9	36	34	36	34	31	21	27	20	19	****	****	36	38	43	43	34	30	22	16	11	16	16	16	19	27		
10	19	21	22	22	22	20	17	17	18	20	21	22	24	24	22	21	19	18	17	11	6	5	2	0	17		
11	0	0	0	0	0	0	0	4	9	14	23	31	46	40	46	38	41	26	27	17	2	5	8	7	16		
12	3	9	11	7	0	0	0	22	109	93	80	81	80	65	59	61	45	41	55	53	34	32	25	25	41		
13	26	16	18	16	16	14	10	15	30	49	68	77	77	82	84	80	72	65	55	34	31	26	36	34	43		
14	24	8	15	3	0	1	4	97	35	43	69	116	129	98	63	61	59	57	48	33	31	34	37	41	46		
15	50	51	49	49	41	30	23	27	32	19	57	****	55	45	59	84	77	74	44	58	51	50	43	21	47		
16	18	20	16	7	6	37	22	22	25	14	28	34	45	49	47	43	41	44	46	47	47	47	42	38	33		
17	30	26	22	20	17	12	9	15	18	20	25	32	35	****	26	26	23	21	16	7	6	3	5	10	18		
18	9	8	6	16	12	2	5	14	26	17	14	38	****	34	32	44	31	14	28	38	31	35	20	5	21		
19	8	6	3	2	0	0	15	13	15	12	21	28	43	56	26	14	16	13	17	21	24	22	20	15	17		
20	15	15	12	13	11	9	8	12	15	16	17	17	18	17	16	16	18	17	12	4	8	0	0	0	12		
21	0	0	0	0	0	0	2	9	115	136	93	87	64	49	55	42	43	40	34	12	2	5	14	18	34		
22	24	29	12	1	0	0	0	6	113	58	46	69	87	102	128	120	92	90	109	79	72	52	18	19	55		
23	28	16	24	23	6	2	0	16	120	142	55	59	66	103	92	74	55	63	68	46	36	36	18	21	49		
24	20	20	14	18	23	17	12	26	24	32	32	47	65	61	59	46	65	65	66	45	34	31	32	33	37		
25	32	35	33	36	27	22	17	14	19	26	****	****	36	36	37	36	34	36	31	20	18	11	8	2	26		
26	2	3	2	6	9	6	3	20	22	27	26	32	37	41	34	36	42	40	35	33	29	24	18	14	23		
27	13	15	16	17	26	22	24	35	40	40	45	50	55	62	63	69	64	60	55	48	51	52	55	53	43		
28	46	22	9	7	4	8	11	17	23	26	32	35	37	43	48	45	40	33	31	26	27	24	23	20	27		
29	16	14	13	16	11	10	12	16	18	23	28	29	30	32	31	32	32	31	26	15	15	11	10	8	20		
30	7	5	5	5	5	3	2	3	6	16	32	38	39	36	32	****	****	58	51	37	32	22	24	24	22		
31	23	23	26	28	26	21	13	16	20	22	24	****	26	28	27	29	33	32	28	16	8	3	0	0	21		
MEAN	19	17	15	15	13	12	12	23	36	39	40	47	50	51	49	48	46	43	40	30	25	24	21	19	30.3		

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA													MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	3	0	2	3	1	5	96	115	44	48	53	56	63	64	51	52	89	26	28	23	14	14	35
2	16	27	26	16	10	3	8	18	34	47	66	73	81	91	106	109	84	57	61	45	30	42	36	4	45
3	2	12	44	30	35	29	30	40	49	47	41	43	46	44	28	24	21	18	20	24	27	28	22	30	
4	26	24	23	19	20	12	6	14	36	29	29	35	45	49	53	43	46	51	67	59	39	30	23	22	33
5	20	18	19	17	12	6	6	19	25	27	30	43	73	72	74	74	75	45	18	1	7	43	62	35	34
6	17	25	33	23	26	20	36	43	57	59	53	52	53	55	65	68	73	67	75	81	75	68	60	53	52
7	53	53	53	49	52	45	41	51	****	****	55	35	33	25	28	25	24	19	16	14	13	7	4	8	32
8	38	32	12	10	6	2	2	3	32	22	78	88	90	87	84	68	68	38	33	41	38	33	33	35	41
9	41	43	38	36	33	30	20	22	23	24	26	29	31	30	28	30	28	22	23	38	33	27	22	21	29
10	19	20	18	18	16	12	10	8	19	47	57	66	117	104	78	77	76	60	52	56	31	55	45	49	46
11	24	32	16	7	9	13	16	28	43	45	55	74	99	81	67	77	81	45	30	17	14	8	66	55	42
12	55	57	52	49	41	43	20	14	11	10	9	8	8	6	4	6	9	8	10	14	14	13	11	10	20
13	13	14	13	6	7	6	9	10	12	13	10	6	15	****	****	****	7	15	16	15	16	15	19	17	12
14	15	14	16	13	12	6	2	2	2	6	8	12	23	30	30	35	29	9	3	4	5	27	14	22	26
15	29	19	22	18	13	11	6	13	18	24	29	34	36	35	45	40	41	21	15	9	13	3	5	22	22
16	24	19	23	19	16	23	25	16	24	25	24	27	29	31	28	28	25	26	16	15	8	14	7	10	21
17	13	17	18	19	20	16	14	16	8	11	11	23	32	38	41	48	11	16	13	11	10	10	7	18	
18	8	7	9	11	12	11	8	8	12	13	11	12	15	19	23	10	17	18	23	11	14	22	19	14	14
19	14	14	18	16	18	22	18	11	14	18	22	32	37	5	4	18	45	41	8	18	22	24	22	24	20
20	26	22	21	19	19	11	5	5	****	21	15	50	91	122	96	79	63	54	24	30	20	15	25	44	38
21	38	24	18	23	26	25	18	20	21	19	16	18	24	20	16	18	15	14	13	12	12	11	14	13	19
22	15	12	13	12	10	7	9	11	****	18	18	15	21	21	21	23	21	18	14	15	11	10	10	8	14
23	5	4	4	4	3	2	2	4	8	15	28	35	41	46	50	45	42	39	20	8	10	7	5	0	18
24	2	2	10	7	15	7	6	15	30	35	51	64	71	69	70	71	70	64	43	38	43	57	53	42	39
25	39	30	22	18	12	15	6	11	15	21	24	24	24	22	22	16	19	18	8	5	0	0	0	0	15
26	0	0	0	0	2	2	0	2	9	18	22	28	33	33	32	32	26	19	10	8	27	31	28	7	15
27	0	0	0	3	3	0	0	0	4	10	****	34	45	57	72	39	34	24	23	22	19	18	16	23	14
28	16	14	12	11	8	6	2	6	12	16	22	25	27	24	23	21	21	17	4	0	0	0	0	3	12
29	2	0	0	1	0	0	0	0	8	16	21	22	22	27	24	27	24	20	18	20	15	16	13	7	13
30	6	8	5	2	1	0	2	6	12	15	18	42	60	40	45	38	43	24	14	4	2	4	3	17	
MEAN	19	19	19	16	15	13	11	14	24	28	31	37	46	46	44	43	40	31	26	22	21	22	23	20	26

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	8	13	14	7	14	14	16	20	26	31	30	31	30	27	28	23	20	12	4	2	0	0	0	16
2	0	0	3	2	0	0	0	0	2	15	43	15	10	14	20	26	23	8	16	20	16	15	6	12	11
3	10	23	23	21	16	6	4	6	13	11	11	17	****	****	11	4	2	0	0	0	0	0	5	24	9
4	14	8	5	3	4	4	0	5	8	12	17	21	24	23	25	29	23	16	12	4	0	0	0	0	11
5	0	0	0	2	2	4	2	8	10	15	20	32	34	32	31	28	31	12	4	2	0	0	0	0	11
6	2	2	2	2	4	3	8	5	11	18	21	24	22	12	11	10	11	14	16	17	19	18	20	12	
7	21	22	20	22	19	17	8	12	18	20	22	24	24	22	24	22	19	14	16	18	16	18	16	19	17
8	19	19	19	16	14	10	15	18	19	22	25	26	27	26	28	27	26	9	8	9	10	10	7	3	17
9	0	0	2	1	2	0	0	5	6	6	11	27	29	27	8	14	12	8	6	3	0	0	0	0	7
10	1	8	13	10	8	3	2	3	8	13	16	18	33	40	50	54	25	20	22	24	32	27	29	28	20
11	22	13	15	11	15	5	2	4	12	17	28	41	47	37	28	20	19	13	20	27	12	7	6	8	18
12	2	0	2	1	4	1	2	2	14	23	27	33	****	35	32	21	23	18	14	11	7	6	6	0	12
13	0	0	3	3	5	5	0	2	14	16	19	22	27	28	28	27	28	27	27	28	28	24	20	28	17
14	22	21	19	30	31	29	27	19	17	26	27	27	32	32	30	32	31	31	29	24	12	16	14	10	25
15	11	13	10	13	14	10	11	6	20	24	29	14	15	28	13	15	14	10	8	12	15	12	10	16	14
16	19	18	13	16	14	8	6	12	17	19	22	24	30	30	32	31	32	28	30	28	19	10	9	4	20
17	0	0	0	0	0	0	0	0	3	****	****	24	24	32	27	29	18	10	16	12	11	7	4	8	10
18	10	9	4	11	3	0	0	0	0	4	8	9	12	10	7	6	2	1	2	2	0	0	0	0	4
19	2	5	25	23	21	9	4	1	2	7	11	15	15	23	22	23	17	10	16	15	10	11	9	8	13
20	9	4	1	0	4	8	3	2	4	9	22	25	28	34	33	38	22	3	2	1	1	1	1	1	11
21	2	2	1	1	1	1	1	2	5	10	12	16	29	49	45	40	32	22	11	4	2	2	2	0	12
22	0	0	0	0	0	0	0	0	6	8	17	17	29	24	18	20	30	7	12	12	37	22	19	18	12
23	19	18	22	16	13	12	8	7	12	****	19	20	25	24	26	26	27	24	26	23	25	21	24	20	20
24	15	12	6	5	6	3	2	2	5	7	10	12	16	15	10	7	4	1	2	3	0	0	0	0	6
25	0	0	0	0	0	0	0	0	1	2	3	5	15	4	5	2	0	0	0	0	0	0	0	0	1
26	0	0	7	12	12	9	5	9	****	****	****	11	13	15	12	9	4	3	4	7	13	10	8	8	
27	8	7	7	6	4	1	0	0	0	2	7	17	24	29	33	34	32	23	15	11	7	3	0	0	11
28	0	0	0	2	4	8	7	6	12	16	18	20	20	22	25	24	21	11	4	4	5	15	20	2	11
29	0	6	11	8	15	15	12	9	12	13	22	31	31	29	30	28	22	12	4	0	0	2	2	2	13
30	3	3	4	2	2	2	0	1	4	11	12	13	9	12	23	19	9	4	3	1	0	2	0	0	6
31	7	5	2	0	0	0	0	0	3	15	24	25	26	26	28	26	25	24	26	26	26	27	27	25	16
MEAN	7	7	8	8	8	6	5	5	9	14	19	21	24	25	24	23	20	13	12	11	10	9	9	8	12.8

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION											
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	27	21	23	10	4	3	0	0	0	****	54	57	37	31	25	14	18	18	12	8	6	6	5	2	17	
2	0	0	0	0	0	0	0	0	2	4	7	11	26	31	39	43	40	16	0	0	0	0	0	0	9	
3	0	0	0	0	0	0	0	0	1	2	17	25	31	31	33	42	36	12	11	11	2	4	3	0	11	
4	0	0	0	0	0	0	0	0	4	8	14	DATA INVALID -														
5																										
6	****	****	****	****	****	****	****	****	****	****	14	15	15	14	12	13	13	10	6	6	5	5	5	3	****	
7	2	9	14	14	13	13	12	3	3	9	****	8	11	11	12	12	12	11	9	5	4	0	0	0	8	
8	0	2	2	0	3	0	1	0	0	2	4	8	20	18	17	10	2	0	0	0	0	1	0	0	4	
9	0	6	7	11	14	14	11	6	3	6	10	11	17	18	16	17	11	4	2	0	0	0	0	0	8	
10	0	0	0	0	0	0	0	0	0	0	0	2	7	14	11	10	3	0	0	0	0	0	0	0	2	
11	0	0	0	0	0	0	0	0	0	2	2	7	10	16	22	24	22	13	13	16	17	19	20	20	9	
12	23	23	23	23	24	23	22	21	18	17	15	15	16	16	16	14	13	11	12	8	7	7	7	8	16	
13	7	9	10	10	10	12	12	8	4	3	5	3	3	4	4	2	2	3	4	6	2	0	0	3	5	
14	0	2	5	13	17	15	13	12	10	9	11	13	17	17	17	16	16	14	15	18	17	22	20	24	14	
15	22	15	20	18	16	12	11	6	6	8	21	22	24	19	13	17	8	0	0	0	0	0	0	0	11	
16	0	0	0	0	0	1	4	0	0	0	****	15	17	22	23	12	7	0	0	2	2	2	2	0	5	
17	2	2	4	6	7	7	6	3	0	0	0	2	3	3	3	3	4	3	3	2	1	0	0	2	3	
18	5	8	14	17	21	23	22	21	20	19	19	20	20	16	15	19	20	10	6	2	0	0	0	0	13	
19	0	0	2	2	5	6	19	20	20	20	22	25	27	27	28	28	25	18	8	6	5	5	10	13	14	
20	13	10	14	20	20	21	20	17	14	12	14	16	14	13	12	****	****	6	9	11	12	13	13	14	14	
21	18	17	17	16	17	17	13	12	9	11	14	16	16	13	13	10	6	3	3	4	3	2	3	7	11	
22	10	9	8	7	7	7	7	4	3	2	2	7	9	8	6	4	0	0	0	0	0	0	0	2	4	
23	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	2	2	4	4	4	5	5	5	5	5	6	7	7	8	10	4	
25	10	6	6	8	8	12	7	6	7	9	****	11	13	14	15	20	15	14	17	12	10	7	5	4	18	
26	14	14	16	19	23	22	23	24	23	24	24	24	25	25	23	20	15	14	17	12	10	7	5	4	10	
27	9	13	15	20	22	22	21	18	17	16	****	11	9	7	4	3	0	1	2	2	0	0	0	1	10	
28	4	6	6	7	4	0	3	3	3	3	4	8	18	24	23	20	17	11	14	11	10	7	6	8	9	
29	8	7	4	0	2	3	0	3	7	4	7	9	4	2	2	2	0	0	0	0	0	2	3	9	3	
30	11	14	13	15	15	16	17	12	15	****	19	21	24	24	27	27	23	9	8	9	6	9	6	8	15	
MEAN	7	7	8	8	9	9	9	7	7	8	12	14	16	16	15	15	13	7	6	6	5	5	5	5	9.0	

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	4	1	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	5	11	1
2	17	19	17	15	17	14	11	4	12	14	22	24	27	27	23	24	16	11	15	12	11	4	1	4	15
3	12	21	19	15	10	11	13	14	13	9	6	5	4	3	2	0	2	3	4	3	0	0	0	3	7
4	8	9	2	0	2	10	13	14	13	16	17	17	21	21	21	18	15	8	0	0	0	0	0	3	10
5	6	6	7	6	4	0	3	1	0	3	1	4	6	6	2	3	0	0	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	0	0	3	***	11	12	16	20	21	13	12	10	12	10	14	18	14	8
7	16	16	17	17	16	17	11	5	4	3	5	8	3	3	3	2	0	0	0	0	0	0	0	0	6
8	0	0	0	0	0	3	12	17	14	18	19	17	22	19	22	18	22	23	21	21	20	22	24	16	21
9	28	27	25	26	24	22	20	20	19	21	22	25	22	25	25	19	21	22	19	17	17	15	12	13	21
10	14	17	15	15	17	18	17	14	15	20	22	23	24	26	25	21	17	10	8	15	11	7	4	4	16
11	5	5	7	8	7	5	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
12	2	1	2	2	2	3	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	3	2	2	1	10	16	21	17	19	14	14	11	13	17	24	26	27	27	12	12
14	25	27	27	26	14	20	18	12	15	11	15	14	10	12	9	8	3	1	0	3	7	11	13	6	13
15	8	6	4	4	2	2	1	1	2	3	8	15	18	17	20	21	15	10	7	6	5	6	5	5	8
16	4	2	3	3	1	0	0	0	0	1	2	2	2	5	4	5	2	0	0	0	3	4	2	11	2
17	16	22	23	25	27	27	26	26	25	25	24	26	28	28	25	22	21	14	12	8	4	5	4	4	19
18	4	4	5	9	6	4	3	0	0	2	***	10	13	14	15	18	14	18	21	24	25	27	20	19	12
19	19	20	20	19	19	17	11	5	8	9	10	5	5	7	13	9	8	8	11	10	8	13	4	6	11
20	5	6	12	13	10	10	9	3	1	2	2	3	2	1	1	1	0	0	0	0	0	0	0	0	3
21	0	0	0	3	7	12	13	16	10	15	13	19	20	17	9	4	6	9	12	9	11	7	11	9	10
22	***	***	5	4	3	2	2	0	0	0	2	3	8	12	17	19	14	15	19	20	19	21	22	18	10
23	19	14	14	16	16	19	15	13	11	11	14	17	19	14	15	6	3	0	0	3	6	5	3	2	11
24	4	4	3	4	4	2	4	4	4	7	8	9	12	10	5	2	0	0	0	0	0	0	0	0	4
25	0	2	0	0	0	3	15	15	16	18	20	23	24	25	24	23	20	20	19	17	14	13	14	15	14
26	11	15	10	12	8	6	11	8	11	17	16	21	21	16	21	20	15	15	15	15	15	15	15	16	14
27	13	20	15	12	13	15	17	15	***	***	19	20	19	17	18	15	15	12	9	9	5	3	3	5	13
28	5	6	8	10	10	11	4	2	5	5	7	8	17	16	16	5	2	0	4	5	5	8	3	7	7
29	6	6	9	9	6	3	3	2	4	7	8	8	9	12	10	12	8	11	11	6	6	6	8	7	7
30	4	5	2	1	0	0	0	0	0	2	2	2	1	1	2	1	1	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	1	2	3	3	1	2	0	0	0	0	0	0	0	0	0	0	1
MEAN	8	9	9	9	8	9	9	7	7	9	10	12	12	13	12	11	9	8	8	8	7	7	7	7	8.9

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN				DATA UNAVAILABLE
FEB				DATA UNAVAILABLE
MAR				DATA UNAVAILABLE
APR				DATA UNAVAILABLE
MAY				DATA UNAVAILABLE
JUN				DATA UNAVAILABLE
JUL	11	25.8	39	97
AUG	31	30.3	55	142
SEP	30	26.1	52	122
OCT	31	12.8	25	54
NOV	27	9.0	18	57
DEC	31	8.9	21	28
YEAR	161	18.1	55	142

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	DATA UNAVAILABLE								
MAY	DATA UNAVAILABLE								
JUN	DATA UNAVAILABLE								
JUL	63	67	54	54	22	6	0	0	266
AUG	128	168	136	178	91	16	13	0	730
SEP	170	192	141	110	78	15	6	0	712
OCT	353	191	149	41	1	0	0	0	735
NOV	402	190	59	11	2	0	0	0	664
DEC	439	218	81	0	0	0	0	0	738
YEAR	1555	1026	620	394	194	37	19	0	3845

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH  
MEAN

87.1

0

0.0

5.8

13.5

21.5

40.7

55.5

74.2

86.9

142

18.1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	6	6	6	6	11	13	12	13	15	16	16	15	16	16	16	17	18	19	20	19	17	19	21	14
2	20	18	18	13	13	13	7	8	8	9	12	14	15	13	11	10	9	2	4	4	4	6	8	7	10
3	5	3	4	7	8	8	6	3	3	7	9	12	16	17	17	15	10	9	7	8	7	10	9	2	8
4	2	2	5	5	6	7	7	11	8	7	8	8	6	4	4	3	3	1	0	0	0	0	0	0	4
5	0	0	0	0	0	0	0	0	0	1	1	3	5	4	5	5	4	****	2	2	2	0	0	0	1
6	1	0	2	2	5	6	8	10	6	6	8	7	9	8	7	6	3	4	8	10	12	15	15	7	8
7	12	12	13	13	13	13	13	10	9	8	8	9	10	10	10	8	6	2	1	0	0	0	0	0	8
8	0	0	1	2	3	4	2	0	0	1	1	1	0	0	3	11	14	19	20	21	20	20	20	20	8
9	20	21	22	22	22	21	21	23	23	24	25	25	26	26	26	26	26	26	26	28	28	29	28	28	25
10	25	25	26	26	26	26	26	26	25	25	25	25	28	28	28	29	29	27	25	24	23	23	22	21	25
11	21	15	13	12	11	14	17	17	16	19	20	22	24	25	26	24	21	14	13	12	13	13	4	12	17
12	14	12	8	1	2	2	1	1	2	8	11	10	11	12	10	6	1	1	0	0	3	3	1	2	5
13	1	0	0	4	6	2	1	6	7	9	10	13	15	19	22	21	19	21	22	23	24	24	24	23	13
14	25	27	27	28	28	29	28	27	28	28	28	27	27	29	29	29	28	28	28	28	27	27	27	25	28
15	23	24	23	23	24	23	23	16	17	19	20	21	22	23	24	22	20	17	10	5	10	13	11	12	19
16	11	9	9	12	4	1	3	0	4	7	9	12	17	19	17	17	9	2	0	0	0	0	0	0	7
17	0	0	0	0	0	1	5	10	14	16	17	19	21	21	25	26	27	27	27	25	23	23	25	27	16
18	28	28	27	28	28	27	27	26	22	25	27	28	30	30	30	30	23	18	7	1	2	1	4	9	21
19	16	10	11	12	11	1	1	1	3	9	22	25	28	28	31	32	32	30	30	31	31	31	31	31	20
20	31	30	30	28	25	25	27	28	28	29	29	29	30	30	30	30	31	31	30	30	30	29	29	30	29
21	29	28	28	27	28	28	28	26	27	27	27	27	28	28	28	30	24	17	14	14	7	2	2	3	22
22	5	4	4	4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	- DATA INVALID -																								
24	- DATA INVALID -																								
25	- DATA INVALID -																								
26	- DATA INVALID -																								
27	- DATA INVALID -																								
28	- DATA INVALID -																								
29	- DATA INVALID -																								
30	- DATA INVALID -																								
31	- DATA INVALID -																								
MEAN	13	12	13	13	13	12	13	12	13	14	16	17	18	19	19	19	17	16	14	14	14	14	13	14	14.5

PERCENTAGE OF DATA VALID - 68.1

PERCENTAGE OF DATA INVALID - 31.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1															- DATA INVALID -										
2															- DATA INVALID -										
3															- DATA INVALID -										
4															- DATA INVALID -										
5															- DATA INVALID -										
6															- DATA INVALID -										
7															- DATA INVALID -										
8															- DATA INVALID -										
9															- DATA INVALID -										
10															- DATA INVALID -										
11															- DATA INVALID -										
12															- DATA INVALID -										
13															- DATA INVALID -										
14															- DATA INVALID -										
15															- DATA INVALID -										
16	44	43	38	31	28	27	26	23	24	32	35	38	39	40	46	48	49	46	45	44	43	37	20	9	36
17	18	18	18	18	15	8	12	9	15	19	24	32	43	41	42	41	41	39	37	37	34	26	10	3	25
18	0	0	0	0	0	0	0	2	9	16	21	35	43	37	35	36	37	34	25	23	19	16	15	15	17
19	12	9	7	14	22	12	11	11	20	26	35	42	64	83	80	68	56	46	38	33	33	40	50	58	36
20	54	42	41	41	34	32	34	36	36	37	37	39	45	50	50	46	46	42	32	29	28	32	25	33	38
21	35	31	25	17	11	11	12	13	15	22	33	42	38	37	43	48	44	34	22	41	40	37	36	35	30
22	33	26	22	29	28	27	26	21	17	19	29	32	36	37	37	38	38	32	24	28	27	27	19	6	27
23	0	0	0	3	3	2	4	7	15	28	35	31	41	42	43	48	45	36	27	24	15	5	3	16	20
24	18	18	22	25	30	18	23	30	24	20	26	31	36	36	38	45	48	45	40	48	48	47	44	40	33
25	40	38	35	21	17	23	22	22	28	31	41	47	52	57	61	63	63	61	59	54	51	48	47	45	43
26	43	37	34	31	28	28	31	31	31	30	31	34	39	38	39	41	38	36	32	30	24	29	26	23	33
27	28	23	30	35	35	36	32	23	28	34	37	38	38	39	41	43	41	37	44	42	39	41	50	53	37
28	51	47	43	30	30	32	31	30	28	39	46	52	****	54	56	48	48	48	56	61	59	59	55	51	46
MEAN	29	26	24	23	22	20	20	20	22	27	33	38	43	45	47	47	46	42	38	39	36	35	32	31	32.8

PERCENTAGE OF DATA VALID - 47.8 PERCENTAGE OF DATA INVALID - 51.9 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*-\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION											
STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA															MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	52	50	47	42	40	39	37	31	31	35	37	37	39	41	42	43	41	39	37	30	23	27	28	24	37	
2	28	23	17	10	2	2	2	7	19	46	54	73	49	40	43	47	45	30	32	34	30	27	20	27	29	
3	43	42	41	34	24	35	38	39	38	40	44	48	51	52	59	57	54	50	47	44	37	28	27	31	42	
4	38	35	35	35	35	34	34	34	33	32	33	33	35	35	36	37	40	39	32	38	36	34	29	34	35	
5	32	32	30	28	21	24	21	26	28	31	37	44	40	38	51	53	60	65	63	52	47	41	34	36	39	
6	29	24	21	17	17	16	14	15	19	28	40	52	70	86	104	97	94	99	78	62	64	59	60	51	51	
7	53	61	68	58	45	52	55	43	43	50	54	50	63	77	73	69	71	71	71	60	50	56	45	42	58	
8	38	38	36	34	22	21	24	15	19	28	35	40	45	49	52	50	48	***	44	43	40	39	35	34	36	
9	24	39	37	37	36	35	34	31	27	31	41	56	63	65	62	66	79	75	66	70	65	54	45	50	50	
10	48	37	14	14	7	2	2	9	26	48	60	70	75	76	73	69	65	65	53	39	36	37	39	44	42	
11	53	60	63	69	68	45	40	39	49	60	83	102	113	119	123	125	129	130	130	129	123	123	96	110	91	
12	122	106	99	69	64	62	59	55	52	50	48	47	48	50	49	43	41	39	34	19	16	20	24	32	52	
13	21	31	22	30	36	35	34	35	36	37	39	42	43	47	51	63	71	64	66	79	79	76	73	67	49	
14	56	49	41	36	32	38	43	41	42	42	40	22	40	47	50	54	47	48	50	46	49	50	46	47	44	
15	48	44	43	43	41	41	38	33	32	29	34	39	41	43	46	46	42	43	45	37	33	36	35	35	39	
16	36	37	35	34	33	37	35	34	28	29	33	41	40	43	49	53	57	55	58	51	40	44	41	40	41	
17	37	39	40	41	40	41	38	41	42	43	45	48	50	45	45	44	43	40	38	30	22	23	19	15	38	
18	22	26	20	17	14	23	26	23	27	30	29	40	51	53	55	58	57	55	49	46	48	44	41	35	37	
19	26	15	27	29	40	40	30	32	41	42	42	44	46	46	46	48	48	47	44	42	38	39	37	24	38	
20	31	34	34	37	35	34	35	37	32	39	39	41	45	48	53	57	57	59	59	56	50	46	38	32	43	
21	34	34	32	24	15	3	0	1	1	9	15	17	28	34	32	32	33	30	26	17	20	29	32	33	22	
22	37	36	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
23																										
24																										
25																										
26	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	24	24	21	19	20	24	24	20	17	18	*****
27	18	22	26	26	28	28	31	31	35	35	36	38	42	44	45	45	43	37	35	26	30	30	27	23	33	
28	8	0	0	4	21	22	20	16	19	19	17	13	9	11	23	36	37	43	40	24	35	34	20	25	21	
29	28	26	39	36	32	33	33	32	36	36	37	36	36	36	37	37	38	38	38	38	31	32	31	29	34	
30	27	29	30	22	15	8	8	16	27	53	58	38	25	31	36	40	37	30	24	22	22	18	12	9	27	
31	5	5	3	4	11	13	16	18	18	19	18	16	16	26	31	39	36	36	34	34	32	28	26	33	22	
MEAN	37	36	35	32	30	29	29	28	31	36	40	43	46	49	51	53	53	52	49	44	42	41	37	36	40.0	

PERCENTAGE OF DATA VALID - 85.3 PERCENTAGE OF DATA INVALID - 14.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*-\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
		STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA														MONTH - APR 78											
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		41	43	43	46	47	46	41	43	41	41	39	36	32	32	33	36	37	37	35	35	37	37	37	37	39	
2		40	42	42	43	44	44	42	41	41	43	43	42	43	43	43	44	44	44	44	44	41	40	36	34	42	
3		29	27	18	27	29	38	35	32	35	38	38	38	38	38	36	36	36	32	30	24	20	20	18	20	31	
4		19	17	14	11	9	4	5	9	11	14	19	30	28	15	11	9	8	6	10	20	19	18	22	23	15	
5		34	37	37	36	31	27	24	18	24	30	***	35	39	40	44	45	45	44	37	29	28	28	22	20	33	
6		23	26	31	29	26	26	25	28	28	26	28	34	36	36	33	33	33	33	31	29	27	26	17	9	28	
7		7	15	21	26	23	17	17	19	20	28	33	37	39	43	46	46	41	37	32	32	31	30	28	26	29	
8		30	31	30	30	30	30	30	30	30	30	29	29	30	30	30	30	30	32	32	33	33	37	37	37	31	
9		38	37	36	30	26	22	8	31	36	36	36	39	41	41	39	39	42	42	36	33	27	26	21	21	33	
10		14	20	28	27	28	28	28	32	32	32	32	32	32	37	40	43	43	43	43	43	43	43	42	41	35	
11		39	35	30	27	25	12	17	14	15	13	20	24	25	32	36	39	36	35	32	28	25	30	30	31	27	
12		23	28	19	20	21	22	22	21	22	29	***	***	30	45	***	***	49	37	39	38	36	36	41	42	31	
13		40	34	31	30	26	27	24	28	28	27	27	29	29	29	29	29	29	26	24	22	27	30	28	26	28	
14		25	23	20	30	30	28	20	22	32	36	36	37	42	42	42	42	41	41	37	37	34	34	30	21	33	
15		17	23	11	7	22	28	28	32	34	35	35	35	34	34	34	34	34	32	32	32	29	28	24	28	25	
16		24	21	15	13	9	6	2	8	14	25	31	32	35	40	40	40	40	40	38	28	24	22	20	19	25	
17		18	21	26	24	24	22	17	16	18	18	18	14	14	14	12	12	12	9	9	5	3	3	2	2	14	
18		3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
19		DATA INVALID -																									
20		DATA INVALID -																	34	35	35	35	35	36	37	39	*****
21		40	40	40	40	40	40	37	37	37	39	41	41	43	43	43	43	43	43	43	43	41	40	37	35	40	
22		34	38																							*****	
23		DATA UNAVAILABLE -																									
24		DATA UNAVAILABLE -																									
25		DATA UNAVAILABLE -																									
26		-	-	-	-	-	-	-	-	-	-	-	-	-	44	45	45	45	45	43	43	43	38	35	*****		
27		35	36	38	38	34	30	32	37	40	41	41	41	41	41	40	43	45	45	44	44	37	37	32	31	30	38
28		32	22	26	24	14	12	17	29	38	44	47	48	49	49	50	50	51	51	39	11	7	8	15	7	31	
29		16	14	4	4	2	0	15	28	36	41	49	52	51	47	45	42	41	39	37	36	35	35	32	32	31	
30		31	31	24	23	22	28	23	36	39	42	44	44	45	44	44	44	44	44	46	44	38	37	41	36	37	
MEAN		27	28	26	26	25	23	22	26	28	31	33	34	35	36	37	38	38	36	35	32	30	30	29	27	30.3	

PERCENTAGE OF DATA VALID - 77.2 PERCENTAGE OF DATA INVALID - 8.1 PERCENTAGE OF DATA UNAVAILABLE - 14.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA														MONTH - MAY 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	40	39	39	39	38	36	35	37	38	39	41	43	45	45	46	46	46	46	46	45	43	40	40	40	40	41
2	36	39	40	40	39	39	39	40	42	44	44	45	45	45	47	47	47	46	45	38	25	26	11	9	38	
3	8	0	0	3	6	9	14	21	35	40	42	43	50	49	48	49	48	47	44	36	23	15	18	24	28	
4	31	25	21	20	26	28	25	26	31	39	43	42	44	44	44	43	43	42	40	38	38	39	41	35	35	
5	37	38	37	36	35	33	28	25	23	27	30	32	34	32	28	27	26	27	21	11	12	14	18	17	27	
6	17	17	18	19	20	26	28	32	33	36	40	45	49	52	56	57	57	56	54	48	41	34	24	21	37	
7	18	18	16	20	18	14	19	29	35	42	46	50	52	48	47	46	43	46	54	56	54	53	54	49	39	
8	40	39	36	34	38	45	45	43	43	***	33	32	31	28	26	25	24	22	16	18	26	40	32	22	32	
9	22	19	18	17	13	14	19	22	25	37	35	34	45	43	44	43	43	42	38	32	32	33	29	17	30	
10	19	16	22	25	27	29	25	23	27	28	30	34	35	36	38	40	42	46	48	45	28	21	22	28	31	
11	29	27	29	28	25	13	15	25	38	44	47	53	56	51	50	52	54	50	45	39	44	44	49	51	40	
12	55	54	51	40	43	43	46	41	47	41	42	48	50	49	49	50	52	56	55	51	47	46	45	45	48	
13	46	45	40	39	36	25	26	31	37	39	41	44	50	53	51	48	45	53	55	58	54	42	43	43	44	
14	42	41	42	46	47	46	49	52	50	50	49	47	49	51	54	55	56	51	53	53	53	52	43	45	49	
15	47	53	54	56	56	53	50	46	44	44	45	47	47	47	46	45	44	45	45	43	34	32	29	46		
16	31	34	35	35	34	30	25	26	***	32	34	31	35	38	39	39	40	41	37	35	31	39	39	37	35	
17	45	46	45	44	43	36	37	39	40	42	44	46	44	43	42	41	39	39	34	28	21	25	35	31	39	
18	26	19	18	19	17	16	14	14	17	27	34	38	38	50	55	71	83	94	87	57	42	37	37	42	40	
19	36	30	24	23	15	9	10	20	39	48	54	58	62	59	56	62	60	57	58	47	29	18	26	33	39	
20	21	23	24	21	16	9	16	35	48	63	68	79	99	104	78	57	54	51	49	36	49	52	37	29	47	
21	22	21	21	25	28	29	29	29	32	32	30	29	30	30	31	31	32	34	34	31	21	14	8	9	26	
22	8	7	8	10	7	6	13	25	43	52	57	52	46	47	50	53	53	48	41	31	25	19	9	10	30	
23	22	12	24	15	2	0	2	15	28	41	43	47	60	68	78	90	93	97	62	44	26	24	20	10	38	
24	17	6	18	23	24	34	37	38	38	40	47	55	61	64	64	65	68	76	79	63	51	46	39	37	45	
25	28	21	8	9	8	15	29	40	42	59	69	79	84	82	88	86	69	63	71	72	59	46	44	21	50	
26	30	36	31	34	41	34	45	48	75	114	112	100	109	106	108	114	121	122	109	113	86	69	52	50	77	
27	53	61	50	57	54	37	65	77	78	86	107	113	103	91	88	104	106	102	91	58	53	62	47	41	77	
28	34	42	45	48	52	70	58	59	61	72	86	106	117	120	119	118	119	106	105	76	62	49	54	60	64	
29	58	65	57	53	51	49	44	38	47	63	73	81	89	89	90	***	84	86	79	68	55	54	50	53	67	
30	52	51	43	36	30	26	22	25	34	37	43	47	53	54	57	61	59	47	27	40	39	31	25	27	40	
31	28	22	19	11	3	4	9	15	29	34	36	43	42	44	38	37	36	35	30	25	17	21	27	24	26	
MEAN	32	31	30	30	29	28	30	33	40	46	50	53	57	57	57	57	58	57	53	46	40	37	34	32	42.3	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA														MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	17	15	11	10	10	15	14	15	18	25	32	45	55	75	99	108	95	69	-	-	-	-	-	-	40		
2	- DATA UNAVAILABLE -																										
3	- DATA UNAVAILABLE -																										
4	- DATA UNAVAILABLE -																										
5	-	-	-	-	-	-	-	-	-	-	****	21	21	23	25	26	25	25	25	18	14	8	10	11	*****		
6	14	15	18	14	14	14	14	17	26	33	41	49	53	55	59	61	63	61	54	50	42	39	42	38	37		
7	43	44	41	37	30	21	18	18	21	29	27	27	30	31	35	39	39	40	41	38	32	34	38	32	33		
8	30	30	27	27	27	32	20	10	10	12	13	13	16	16	18	18	17	21	23	23	24	25	17	14	20		
9	10	7	5	5	1	2	8	22	26	28	35	38	41	42	32	29	28	27	27	26	19	15	14	11	21		
10	6	11	9	2	2	7	13	19	24	33	40	54	69	85	94	95	86	73	78	70	63	66	64	59	47		
11	54	47	43	38	33	31	29	32	38	47	66	78	86	86	84	75	75	75	74	66	56	57	55	51	57		
12	47	40	32	30	30	29	29	33	42	34	30	34	39	30	39	33	41	36	27	25	19	17	14	16	31		
13	19	20	18	16	16	19	22	22	20	20	20	22	25	29	30	29	29	28	28	27	18	8	8	7	21		
14	10	21	24	24	19	17	17	21	25	25	25	26	29	30	30	30	30	30	30	22	16	11	9	13	22		
15	15	16	15	17	21	22	15	18	22	26	34	33	34	36	41	45	48	52	48	43	44	45	39	35	32		
16	35	34	32	31	29	25	20	24	25	29	30	28	32	44	37	34	39	47	46	46	49	44	38	35	35		
17	30	29	29	31	27	29	27	29	30	30	30	42	66	91	91	84	76	63	56	54	53	47	52	51	48		
18	56	53	46	41	36	33	28	30	36	36	34	33	37	44	46	44	42	42	40	35	30	26	24	20	37		
19	14	10	20	22	25	16	20	24	28	30	36	38	40	41	41	41	43	43	40	36	34	30	30	38	31		
20	38	38	25	22	14	18	22	32	47	59	66	78	81	78	78	78	81	83	88	72	68	76	77	82	58		
21	77	69	****	****	46	44	41	****	****	52	59	52	53	****	41	38	35	37	****	32	17	11	****	****	44		
22	24	18	11	****	4	3	14	37	45	49	38	38	40	44	****	48	49	51	****	****	47	30	27	37	33		
23	27	29	29	19	21	20	23	28	28	****	****	****	29	31	32	34	****	29	27	25	22	23	18	6	24		
24	3	3	4	0	0	****	3	10	16	21	28	****	35	38	51	****	75	96	74	69	57	36	37	33	33		
25	35	35	34	32	31	34	****	****	40	49	69	80	****	90	94	96	93	82	89	63	70	66	70	65	63		
26	62	53	****	****	49	45	43	****	****	27	41	43	****	****	39	42	49	52	****	56	44	38	****	****	****		
27	23	21	21	20	****	28	30	36	24	****	57	84	67	68	****	56	62	67	58	****	54	48	44	38	46		
28	****	21	24	8	****	****	16	21	31	****	****	38	44	48	****	48	49	44	44	****	25	33	50	33			
29	49	****	28	19	13	14	12	27	38	47	52	****	53	58	65	****	****	50	43	39	****	****	14	11	35		
30	12	19	8	11	13	20	****	****	28	38	39	38	****	33	32	33	****	****	29	30	27	****	23	19	25		
MEAN	30	28	23	21	21	22	21	24	29	34	39	42	45	50	51	51	52	51	47	42	38	34	33	32	35.9		

PERCENTAGE OF DATA VALID - 80.0 PERCENTAGE OF DATA INVALID - 7.8 PERCENTAGE OF DATA UNAVAILABLE - 12.2

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	17	19	****	16	16	15	16	****	19	17	16	19	25	23	25	25	27	24	24	16	6	****	***	19
2	13	7	9	14	20	23	24	18	22	24	26	30	34	36	38	37	39	36	37	32	30	18	22	18	25
3	21	21	19	17	****	****	19	18	13	****	23	28	23	25	26	25	25	26	26	****	****	26	25	20	22
4	18	24	24	21	18	16	****	17	20	25	28	****	38	41	42	45	43	44	41	37	30	****	14	32	29
5	32	26	13	2	3	0	4	15	39	44	47	59	61	62	56	54	55	58	55	59	52	36	****	27	37
6	21	25	29	****	20	21	26	35	45	52	55	57	63	****	65	63	71	73	****	79	71	59	66	****	50
7	71	66	54	53	****	31	28	30	32	45	76	83	88	94	107	115	115	110	101	90	84	79	76	68	74
8	58	54	35	41	****	****	29	34	35	32	****	36	35	32	31	32	31	28	29	25	23	20	14	11	32
9	8	3	6	3	0	0	3	8	19	25	30	39	44	52	58	****	****	62	85	71	62	****	52	44	32
10	37	32	41	30	30	25	20	18	19	23	24	26	26	25	24	24	23	22	20	19	14	6	9	2	22
11	3	6	7	10	17	18	14	20	20	20	19	20	****	22	23	24	26	28	29	26	19	21	20	2	18
12	8	14	13	10	9	3	4	9	25	28	32	39	46	49	45	51	54	58	55	53	48	50	48	41	33
13	38	37	40	43	48	48	46	43	37	52	57	65	63	61	62	65	59	68	61	51	46	34	19	18	48
14	16	24	34	36	32	29	24	27	29	30	31	32	29	29	30	31	44	43	42	29	24	23	25	24	30
15	23	24	26	31	32	32	30	31	52	78	83	86	84	80	71	63	66	87	47	32	26	25	25	24	48
16	21	19	15	9	11	13	12	12	14	15	16	17	18	20	20	20	21	22	21	20	16	13	10	11	16
17	14	10	8	5	3	8	9	16	19	21	21	22	22	23	25	25	26	25	24	19	6	4	12	13	16
18	13	14	9	16	18	16	21	27	38	51	64	63	77	97	109	112	105	92	83	75	68	60	61	66	56
19	66	61	52	44	35	31	30	40	42	51	58	68	75	85	79	96	101	102	89	73	65	59	67	69	64
20	79	76	68	51	52	42	37	39	55	76	63	63	92	115	141	138	147	129	114	106	94	92	71	54	83
21	42	35	30	37	35	30	24	22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	9	11	4	6	8	16	24	29	40	43	54	62	86	102	110	108	103	95	80	60	51	51	43	40	51
26	36	27	19	17	16	16	19	27	35	38	47	76	86	111	116	112	77	45	38	41	25	22	26	27	46
27	23	20	17	14	14	14	17	24	30	38	40	50	50	31	36	38	39	40	26	19	19	17	15	15	27
28	14	13	13	13	10	13	16	16	15	15	14	15	15	18	21	22	27	27	16	15	6	17	26	27	17
29	29	27	22	19	19	19	26	24	26	36	47	48	52	56	40	38	40	40	35	29	25	21	18	32	32
30	18	15	9	7	6	6	7	8	10	14	13	15	17	17	17	18	19	18	15	10	6	4	2	0	11
31	0	0	5	3	1	4	4	9	20	29	31	33	39	51	60	61	52	52	62	48	40	41	38	35	30
MEAN	27	25	23	21	19	19	20	23	29	35	39	44	49	52	54	55	55	54	48	43	36	31	31	27	35.5

		POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION											
		STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA													MONTH - AUG 78											
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	28	26	26	25	18	16	17	26	37	43	42	38	49	84	75	69	61	56	47	42	34	18	21	22	38	
2	13	16	19	21	13	12	18	28	43	48	54	59	66	77	81	72	65	59	57	47	37	22	23	20	40	
3	21	16	23	30	40	35	29	28	28	27	26	28	28	32	43	39	32	29	24	11	4	12	26	23	26	
4	15	15	17	15	2	2	17	15	21	22	24	29	31	32	34	37	40	42	35	24	22	24	28	23	24	
5	23	20	20	17	10	9	16	28	40	44	46	52	55	58	59	72	92	92	50	41	31	25	19	23	39	
6	23	19	20	13	4	6	16	34	51	61	71	73	72	80	93	91	96	91	45	49	47	45	24	18	45	
7	15	13	28	29	35	33	36	39	46	59	61	65	63	61	64	63	60	54	58	58	51	40	30	27	48	
8	21	21	14	8	6	14	19	42	57	83	83	83	76	67	67	83	79	73	64	56	50	47	48	51	51	
9	45	40	37	45	36	34	32	28	27	35	37	34	38	44	48	38	34	24	15	11	14	14	12	11	31	
10	12	9	8	8	4	5	12	18	21	22	26	27	29	30	29	28	23	22	18	9	4	6	2	2	16	
11	1	3	2	0	0	0	7	14	21	29	44	61	78	109	85	82	82	76	58	60	38	28	24	15	38	
12	13	15	19	14	8	5	17	39	63	84	93	94	90	87	85	86	83	81	66	58	46	41	44	38	53	
13	39	27	37	32	13	20	28	49	75	87	106	120	128	115	94	98	107	91	68	33	46	47	45	49	65	
14	46	38	39	25	21	18	20	38	55	73	88	102	98	85	82	79	77	69	56	48	49	54	56	57	57	
15	70	69	63	64	50	34	34	36	51	66	67	70	66	62	84	103	107	100	86	78	72	69	62	57	68	
16	59	55	50	42	39	46	32	36	36	40	54	71	78	76	69	63	56	60	55	66	63	62	53	40	54	
17	28	23	26	14	16	10	12	23	***	23	28	35	43	43	44	45	42	43	42	24	18	24	28	18	28	
18	12	15	16	18	21	19	17	23	35	46	64	77	77	81	85	74	76	87	77	72	64	60	62	54	51	
19	52	48	39	29	27	24	23	26	30	36	50	62	79	111	72	37	26	24	22	21	21	29	32	27	39	
20	23	22	20	18	17	17	16	17	18	19	20	19	19	19	20	20	21	22	18	7	2	1	3	0	16	
21	0	0	4	1	1	0	2	6	17	31	34	38	50	50	50	51	51	52	34	16	22	24	23	21	24	
22	20	21	14	14	15	18	16	23	39	46	53	88	112	138	145	148	136	118	127	113	97	85	56	49	70	
23	43	40	39	32	34	34	31	34	41	54	74	87	99	117	118	117	111	107	102	99	88	76	75	74	72	
24	64	51	32	26	23	25	31	44	48	51	53	66	99	87	76	72	71	78	82	80	56	46	43	41	56	
25	40	42	45	44	41	36	36	41	44	44	44	42	41	41	43	43	42	42	42	30	25	23	9	3	37	
26	2	6	7	14	6	8	9	14	24	31	34	37	44	47	52	54	55	54	44	38	37	32	29	13	29	
27	17	26	28	31	16	22	37	43	45	49	55	68	76	81	88	93	93	86	80	77	74	66	64	55	57	
28	61	54	45	37	35	36	34	19	19	23	28	37	49	63	81	81	66	56	52	41	38	39	31	19	44	
29	12	15	16	10	9	11	11	15	28	29	31	36	35	38	39	40	39	34	24	13	8	8	9	4	21	
30	3	1	3	1	0	0	1	9	11	34	46	61	78	69	74	61	75	47	43	30	24	26	9	6	30	
31	15	7	7	8	9	12	6	12	21	24	26	26	29	31	32	30	35	36	31	21	11	8	7	13	19	
MEAN	27	25	25	22	18	18	20	27	36	44	50	58	64	68	68	67	66	61	52	44	38	36	32	28	41.5	

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
		STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA													MONTH - SEP 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		13	12	13	5	13	4	23	31	39	60	87	105	107	91	83	69	72	69	70	55	45	38	35	30	49	
2		28	29	29	31	27	31	23	20	20	36	55	77	95	94	117	129	118	109	104	80	75	77	73	52	64	
3		44	35	33	44	34	21	31	40	49	51	43	45	48	50	38	24	21	21	23	21	25	26	20	12	33	
4		11	12	15	13	10	6	4	16	20	23	27	29	35	40	42	64	80	48	35	34	39	43	39	28	30	
5		17	4	2	0	0	0	4	16	45	64	82	84	65	66	86	93	76	76	62	48	57	51	41	41	45	
6		44	32	36	33	32	24	22	46	68	73	69	***	61	66	70	79	84	82	83	84	82	77	65	62	60	
7		41	44	49	60	56	43	29	51	62	68	71	58	57	54	48	40	37	33	21	17	17	14	6	5	41	
8		35	23	15	10	10	10	8	11	13	19	49	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18		-	-	-	-	-	-	-	-	***	***	16	15	15	19	30	27	31	29	23	15	16	24	18	24	18	*****
19		14	17	18	22	26	25	24	24	23	23	21	28	33	35	53	45	50	52	35	31	31	32	32	31	30	
20		24	21	21	21	23	22	21	17	19	29	35	49	70	96	88	97	104	81	70	55	32	18	32	24	45	
21		33	30	18	25	31	25	22	20	21	22	24	24	26	26	21	20	19	18	17	19	18	18	20	20	22	
22		17	16	13	11	12	13	13	14	16	18	19	21	23	23	23	23	25	23	20	10	9	7	8	11	16	
23		8	6	8	7	8	8	7	9	11	16	31	37	43	47	49	51	48	47	33	22	25	22	17	9	24	
24		9	11	10	9	7	8	3	12	27	35	52	63	74	76	75	73	72	67	56	40	48	54	51	48	41	
25		42	32	25	21	18	16	12	12	20	22	23	23	24	24	24	22	20	19	15	9	7	9	13	9	19	
26		8	11	9	9	7	4	4	6	11	21	30	***	34	41	44	45	44	43	42	-	-	-	-	-	23	
27		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	***	***	***	***	***	***	***	
28		24	24	24	22	14	14	13	12	5	10	15	18	21	22	23	24	24	24	24	20	9	7	8	4	17	
29		7	6	11	10	8	12	10	5	8	9	12	17	26	26	28	32	39	37	35	35	32	34	32	29	21	
30		27	22	19	14	11	8	4	3	6	12	23	40	54	65	70	74	68	40	43	34	21	21	11	7	29	
MEAN		23	20	19	19	18	15	15	19	25	32	39	43	48	51	53	54	54	48	43	35	32	31	29	24	33.0	



## UNITS - PARTS/BILLION

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - PARTS/BILLION

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	7	5	7	5	0	3	0	4	6	8	10	11	11	11	7	0	0	0	3	3	3	5	13	
2	14	17	21	26	24	22	18	7	8	13	23	30	28	30	30	27	20	9	0	0	0	8	23	17	
3	28	24	25	13	13	14	18	18	18	19	19	17	12	8	6	2	4	6	11	9	9	13	11	11	14
4	6	9	4	0	0	5	12	15	16	14	17	18	20	19	19	15	9	5	7	12	14	12	6	4	11
5	4	3	2	0	0	4	3	0	4	4	4	7	5	6	5	1	0	0	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	0	0	0	3	3	9	10	13	16	9	3	5	8	10	13	18	19	6
7	18	18	16	19	16	19	17	15	12	10	10	5	7	8	8	5	4	3	0	0	0	0	0	0	9
8	0	0	0	0	0	11	18	19	20	20	20	21	26	26	27	26	26	26	26	26	26	26	26	26	18
9	28	27	27	27	27	25	24	21	21	23	25	25	26	25	26	26	26	25	25	22	24	25	23	23	25
10	17	17	18	18	19	14	17	19	22	24	25	27	26	24	22	20	18	6	13	9	13	8	3	5	17
11	2	0	3	4	6	7	11	13	7	8	10	10	13	12	7	6	6	2	2	0	0	0	0	0	5
12	5	6	6	9	11	15	18	15	17	9	11	12	14	15	17	-	-	-	-	-	-	-	-	-	*****
13	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
14	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
15	-	-	-	-	-	-	-	-	-	-	-	-	***	13	12										
16	0	0	0	0	0	0	0	0	2	4	6	9	11	12	12	12	10	7	8	9	6	6	3	3	*****
17	17	24	27	27	28	28	29	28	28	29	28	28	31	32	32	31	28	22	18	15	13	15	13	12	24
18	5	5	5	9	5	5	5	3	3	5	6	10	10	18	20	26	25	25	25	28	29	28	27	27	15
19	29	29	29	29	30	27	27	28	27	26	26	28	28	27	27	26	23	23	26	25	24	18	12	14	25
20	13	14	16	16	16	16	13	7	6	5	7	9	9	8	8	8	6	3	2	2	2	1	1	1	8
21	1	2	2	3	5	9	13	18	17	21	26	***	29	31	27	16	9	7	13	15	10	12	11	13	13
22	5	2	4	4	3	6	12	6	6	10	12	14	14	11	10	11	14	17	21	24	16	17	25	22	12
23	23	20	18	16	13	16	15	16	13	16	16	17	17	17	12	12	11	8	7	9	12	15	12	11	14
24	10	10	9	8	8	8	11	12	11	12	12	12	15	15	13	11	7	4	3	2	5	5	3	3	9
25	3	3	3	2	2	2	12	22	23	26	27	29	29	31	32	32	31	24	17	15	15	19	16	19	18
26	15	15	14	13	13	12	12	12	12	18	24	25	29	29	29	29	26	26	25	23	20	22	23	29	21
27	28	28	17	10	17	19	22	26	25	24	27	28	29	27	27	28	28	27	22	19	18	17	14	13	23
28	10	12	8	10	13	12	7	3	4	10	14	35	50	41	33	30	***	18	22	30	37	39	23	14	20
29	9	9	10	9	8	3	3	3	7	13	16	20	21	26	25	30	28	26	19	7	4	5	11	11	13
30	10	10	8	7	9	7	5	3	4	6	7	6	7	7	9	8	6	3	3	3	2	2	2	2	6
31	1	1	1	1	1	1	1	1	1	3	3	3	3	3	2	2	1	1	1	1	1	1	1	1	2
MEAN	11	11	11	10	10	11	12	12	12	14	15	17	19	19	18	17	14	12	12	12	11	11	11	12	13.1

PERCENTAGE OF DATA VALID - 90.3

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 9.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	21	14.5	29	32
FEB	13	32.8	46	83
MAR	26	40.0	91	130
APR	22	30.3	42	52
MAY	31	42.3	77	122
JUN	25	35.9	63	108
JUL	27	35.8	83	147
AUG	31	41.5	72	148
SEP	18	33.0	64	129
OCT	30	18.6	33	61
NOV	26	12.7	30	70
DEC	27	13.1	25	50
YEAR	297	29.3	91	148

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14118 PUC WATER PUMP STN HWY 21, PETROLIA

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	214	108	174	11	0	0	0	0	507
FEB	27	37	62	168	26	1	0	0	321
MAR	26	54	99	331	103	7	15	0	635
APR	44	64	144	300	4	0	0	0	556
MAY	31	62	119	345	135	24	25	0	741
JUN	37	95	144	188	86	25	1	0	576
JUL	70	139	145	137	109	22	24	0	646
AUG	73	111	127	199	154	55	24	0	743
SEP	66	93	104	100	65	18	8	0	454
OCT	214	203	205	99	8	0	0	0	729
NOV	294	234	98	10	11	0	0	0	647
DEC	306	196	156	14	0	0	0	0	672
YEAR	1402	1396	1577	1902	701	152	97	0	7227

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
82.5	0	4.5	15.8	25.3	36.2	55.4	72.1	90.9	105.8	148	29.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	8	10	14	17	17	19	21	22	22	22	21	20	19	14	11	9	11	16	18	18	8	7	7	15
2	9	10	10	15	21	21	17	12	10	8	11	14	16	14	14	15	15	12	13	11	11	11	7	6	13
3	5	5	5	5	4	3	3	2	2	***	***	20	23	20	22	16	11	10	8	9	11	7	0	0	9
4	1	1	3	3	0	1	0	2	2	5	8	10	10	***	***	6	3	3	3	2	1	0	0	0	3
5	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	4	4	1	2	5	6	6	7	9	8	7	6	3	3	4	7	8	9	9	5
7	9	10	10	7	5	6	4	4	3	3	4	3	4	4	3	1	1	0	0	0	0	0	0	0	3
8	0	0	0	0	1	3	3	3	3	2	1	1	1	1	1	1	9	12	15	15	15	16	17	6	
9	19	19	19	18	18	19	18	17	17	19	21	22	23	23	***	22	21	21	22	24	25	25	26	26	21
10	27	27	28	27	27	29	28	26	26	27	28	29	28	27	26	27	26	25	26	26	26	25	25	25	27
11	23	22	20	16	15	14	13	11	8	9	10	12	16	18	18	16	8	4	3	3	2	1	5	5	11
12	6	8	7	3	0	0	0	0	1	5	7	10	13	12	10	5	1	0	0	0	0	0	0	0	4
13	***	5	9	1	4	4	0	0	2	6	10	13	14	14	***	9	5	4	9	12	12	12	13	15	8
14	17	18	22	23	24	24	23	22	22	22	23	22	25	25	26	25	23	21	20	18	17	21	18	17	22
15	10	5	5	5	9	8	5	9	7	15	22	23	26	25	25	23	19	15	15	16	13	9	8	6	13
16	7	8	5	3	3	2	1	0	1	4	9	9	12	14	14	10	6	4	3	0	0	0	0	0	5
17	0	0	0	0	0	0	0	0	4	10	11	12	16	15	13	10	8	7	8	12	16	19	20	8	
18	20	20	21	23	23	23	14	9	8	15	23	24	27	28	28	27	15	3	1	2	4	0	0	0	15
19	0	0	0	0	0	0	0	0	1	2	6	14	19	20	21	20	17	14	11	11	15	16	16	19	9
20	20	17	16	13	17	18	19	16	14	15	15	16	18	18	***	18	15	14	11	10	10	13	13	11	15
21	15	14	17	15	18	21	17	15	14	20	20	21	22	22	21	19	15	10	4	0	0	1	2	5	14
22	2	1	1	1	2	4	5	3	3	6	10	13	13	14	16	16	12	9	10	10	8	7	2	0	7
23	1	2	3	2	2	3	5	0	2	5	***	15	17	17	16	14	9	2	2	6	5	1	1	2	6
24	1	1	1	3	3	3	1	0	1	4	7	12	16	15	11	10	10	11	11	5	6	4	3	4	6
25	4	5	4	3	2	4	3	1	1	3	7	6	4	9	9	4	2	0	0	0	0	6	6	7	4
26	7	9	11	11	8	4	4	11	18	16	18	20	20	21	22	23	22	20	22	22	23	25	26	24	17
27	24	24	25	26	26	25	25	25	26	26	27	28	27	27	27	25	23	22	23	20	21	21	15	10	24
28	10	7	7	12	16	19	12	14	16	19	20	21	23	23	23	21	19	15	16	17	19	18	17	17	17
29	17	13	13	18	14	18	15	16	12	17	20	22	24	24	24	23	23	20	16	17	18	18	15	19	18
30	22	23	23	23	24	24	22	19	15	18	21	23	23	23	22	21	18	9	9	9	10	6	5	4	17
31	6	3	0	0	0	0	0	0	1	5	8	12	19	21	23	23	20	17	16	17	12	6	8	7	9
MEAN	10	9	10	9	10	10	9	8	8	11	14	15	17	17	17	15	13	10	10	10	10	9	9	9	11.3

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 15001															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	5	7	10	11	9	4	5	9	17	19	25	23	21	17	11	7	6	5	6	1	1	0	10
2	1	2	2	2	1	0	0	0	1	3	7	14	22	24	26	26	21	15	9	10	12	11	8	11	10
3	21	23	22	18	19	12	2	0	1	4	10	25	30	27	28	27	26	11	2	0	0	0	0	0	13
4	4	2	0	1	1	1	0	1	6	15	18	18	20	20	21	16	16	2	0	0	0	0	0	0	7
5	1	1	1	1	0	0	0	0	6	11	12	18	19	22	21	23	23	18	14	14	15	17	19	21	12
6	22	15	14	17	18	17	18	10	14	16	20	24	26	27	28	25	24	18	14	19	21	22	22	25	20
7	25	25	25	26	25	25	16	15	13	14	16	16	24	24	25	21	13	7	1	3	2	1	0	0	15
8	2	6	7	3	0	0	0	0	8	13	18	22	28	36	43	42	24	14	7	1	1	0	1	2	12
9	7	3	1	3	3	1	0	2	9	12	18	24	31	31	31	29	23	13	4	6	8	10	12	14	12
10	16	16	16	10	7	5	2	2	3	9	15	21	26	30	***	26	22	13	2	3	3	2	3	5	11
11	7	4	4	6	6	6	3	3	6	11	16	22	29	33	34	34	32	26	24	21	21	22	25	21	17
12	15	15	16	21	22	23	25	23	22	22	23	26	26	26	28	29	27	25	24	20	18	15	19	19	22
13	19	18	18	16	14	13	10	5	2	6	13	14	16	17	-	16	15	15	16	14	17	26	23	21	15
14	22	22	22	22	24	22	14	8	10	17	24	27	31	35	36	34	28	19	12	7	3	0	0	0	18
15	0	0	1	0	0	0	0	4	7	15	23	21	28	32	37	36	31	26	21	14	18	23	21	23	16
16	24	26	24	24	16	14	11	5	9	14	18	23	26	27	30	23	24	25	20	20	24	21	22	23	21
17	21	14	18	15	13	6	8	6	6	12	18	21	23	27	30	***	23	17	10	5	7	7	7	6	14
18	5	6	7	5	3	2	2	3	7	11	16	19	20	24	29	34	29	17	7	2	5	3	1	1	11
19	0	0	0	0	0	0	0	0	1	5	26	29	30	29	29	31	31	24	11	4	6	4	15	6	12
20	16	26	32	38	37	36	29	22	18	21	***	24	28	31	28	29	31	30	24	7	13	11	3	5	23
21	8	5	2	0	0	0	0	0	0	1	14	26	32	38	38	31	23	18	18	10	8	9	14	15	13
22	14	13	12	11	12	10	13	13	11	15	23	25	30	30	31	29	25	22	14	12	11	11	4	7	17
23	8	2	0	0	0	0	0	0	5	12	21	29	35	38	36	32	26	19	22	24	20	17	6	3	15
24	4	6	14	16	10	7	6	4	7	12	14	***	21	22	27	23	21	21	20	17	18	18	18	18	15
25	16	15	17	21	22	10	9	6	4	14	19	24	35	36	42	40	41	44	46	42	38	33	28	25	26
26	25	22	20	21	18	17	20	20	21	23	25	26	28	29	29	28	27	25	18	16	14	9	11	5	21
27	6	7	9	10	16	15	7	11	17	25	26	28	29	31	21	18	17	11	9	16	11	8	6	15	
28	6	12	10	9	12	10	7	1	2	-	23	29	41	44	44	40	43	42	37	27	26	21	17	20	23
MEAN	11	11	11	12	11	9	8	6	8	12	18	23	27	29	31	28	25	20	15	12	13	12	11	11	15.5

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 15001															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	26	26	29	36	40	32	24	24	28	29	28	30	31	31	30	29	26	18	16	16	12	5	1	25
2	1	0	0	0	1	3	0	1	6	12	24	26	31	31	31	34	32	25	17	15	10	6	0	5	13
3	18	19	25	29	27	20	17	13	11	12	21	31	36	36	36	38	37	35	32	30	24	25	30	30	26
4	29	28	26	26	26	26	24	22	24	26	26	27	27	27	27	27	27	26	14	13	14	14	11	11	23
5	12	13	16	22	24	20	17	15	17	22	27	31	31	32	36	37	38	39	40	39	40	25	24	25	27
6	26	24	15	13	9	5	1	2	6	17	25	32	40	47	51	50	50	51	48	42	25	11	3	1	25
7	12	26	28	30	35	33	24	7	8	***	33	39	42	40	47	54	***	32	21	15	12	13	7	11	26
8	19	21	21	16	10	7	3	5	14	21	28	31	36	36	38	42	43	43	20	4	0	0	0	0	19
9	0	0	0	0	0	0	0	0	2	10	28	35	35	39	40	42	42	42	31	9	0	13	26	26	18
10	29	28	23	9	2	5	3	6	13	33	***	60	65	66	60	54	62	69	45	34	28	30	29	10	33
11	2	2	9	24	46	40	39	36	30	42	46	57	76	75	75	96	83	86	69	62	48	18	2	7	45
12	53	61	63	73	87	79	71	60	53	52	51	49	47	43	39	38	37	34	23	17	13	7	8	7	44
13	2	1	0	0	1	0	0	1	4	***	***	34	48	48	57	57	52	50	42	55	53	35	36	43	28
14	45	39	42	43	41	43	47	42	25	23	24	20	16	26	40	41	40	41	42	37	36	37	38	39	36
15	40	41	42	41	39	36	30	23	20	25	26	30	29	30	32	32	29	25	23	23	22	23	21	29	29
16	23	18	27	28	29	30	26	13	19	25	29	28	31	37	32	25	20	13	11	7	17	21	27	22	23
17	22	16	21	21	15	14	11	10	12	15	24	28	36	32	***	31	36	33	23	17	14	15	7	4	20
18	5	8	10	10	13	13	6	10	12	20	25	30	38	36	42	49	48	44	38	32	29	26	27	28	26
19	30	28	27	25	24	29	34	29	36	39	41	42	39	38	38	38	38	37	33	26	21	23	19	11	31
20	17	9	0	0	1	3	0	7	24	30	37	37	40	41	***	37	31	28	27	26	29	29	24	20	22
21	23	19	15	21	12	8	7	3	2	4	6	10	18	19	23	23	17	18	19	20	19	14	12	18	15
22	26	30	32	30	29	18	10	6	6	12	13	16	18	21	21	13	3	4	5	4	1	1	1	3	13
23	13	17	23	26	27	27	25	20	13	25	26	***	29	35	44	44	44	39	20	7	3	10	30	29	25
24	29	29	30	31	31	30	28	30	32	34	35	37	37	37	39	39	39	40	37	33	29	26	22	23	32
25	21	22	21	24	25	23	22	25	28	29	31	31	32	31	31	30	29	27	26	24	23	25	28	29	27
26	28	26	25	24	25	25	24	24	24	22	19	19	18	17	15	13	12	14	7	9	14	11	7	10	18
27	7	2	4	4	6	8	6	10	17	22	25	28	22	23	22	25	26	25	24	20	25	22	14	5	16
28	16	12	10	3	9	17	16	10	6	***	***	14	11	7	7	5	4	5	3	2	5	14	21	18	10
29	14	23	29	29	32	28	21	24	27	29	27	17	23	22	25	19	18	20	24	19	6	2	0	2	20
30	6	4	10	4	5	8	3	10	11	22	29	35	39	33	25	27	19	17	14	10	9	7	6	3	15
31	1	1	0	0	0	0	0	7	12	***	***	24	30	21	12	17	24	19	20	25	22	16	15	8	12
MEAN	19	19	20	20	22	21	18	16	18	24	28	31	34	34	35	36	34	32	26	22	19	17	16	15	24.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 15001															WESTERN FAIR GROUNDS KING/RECTORY, LONDON										
MONTH - APR 78															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	14	36	46	47	45	42	39	38	37	37	38	35	28	24	23	26	29	27	29	30	30	30	28	32
2	32	32	34	35	35	34	35	36	37	38	41	41	36	41	40	39	39	38	34	22	11	23	18	18	33
3	36	34	36	31	35	31	26	22	22	23	23	22	20	19	***	14	13	15	10	10	9	6	3	2	20
4	4	4	6	5	3	5	2	2	6	8	13	17	20	14	11	7	3	2	10	13	12	16	24	23	10
5	24	31	30	31	30	26	19	19	22	22	24	25	25	28	27	28	25	25	12	7	5	2	0	0	20
6	0	6	10	3	7	12	12	13	17	10	15	16	***	***	***	15	18	13	15	14	17	12	14	1	11
7	2	8	14	19	21	19	16	11	13	18	26	32	35	33	35	32	30	31	23	23	21	18	24	20	22
8	24	21	25	25	24	25	25	25	24	21	22	23	21	26	27	28	26	26	20	16	13	11	15	18	22
9	5	4	11	16	12	10	22	30	34	35	35	35	30	35	36	32	27	34	27	21	9	3	19	29	23
10	20	21	28	33	31	25	20	17	12	19	24	24	23	28	32	24	25	16	13	7	7	7	7	5	20
11	7	10	8	16	16	16	6	4	7	7	14	18	17	***	***	25	27	28	25	11	15	25	30	28	16
12	29	28	26	24	21	19	13	16	18	22	23	23	24	30	40	44	43	41	36	37	38	31	23	14	28
13	26	23	28	32	26	22	21	24	22	26	25	25	24	22	23	21	16	21	20	16	19	18	24	29	23
14	25	21	20	26	32	31	25	26	27	***	***	***	32	31	30	28	25	24	24	17	17	23	21	9	24
15	19	24	28	26	29	22	24	28	29	29	28	26	27	27	27	28	27	28	24	15	10	0	0	0	22
16	0	0	0	3	5	8	23	27	32	31	31	30	32	29	29	34	35	34	28	8	0	0	6	5	18
17	2	2	8	15	13	16	20	23	29	***	38	40	39	41	42	37	34	32	25	15	15	4	1	2	21
18	3	15	21	17	2	6	10	17	26	34	37	27	36	38	37	31	29	28	22	24	30	32	37	31	25
19	38	38	37	45	43	41	29	24	24	28	34	38	41	40	45	46	31	34	35	20	20	21	20	12	33
20	14	19	19	22	27	29	24	24	16	27	25	23	27	29	30	26	19	21	24	24	24	26	25	27	24
21	30	29	32	32	31	30	25	22	27	33	33	32	34	35	35	30	34	36	29	25	20	12	12	7	28
22	6	6	10	10	7	3	12	21	34	34	32	36	38	39	38	38	35	32	28	8	0	0	0	0	19
23	0	0	0	0	0	0	7	18	23	34	39	43	46	45	42	43	40	43	38	12	6	0	2	8	20
24	19	5	8	7	10	7	4	6	5	21	35	37	43	53	53	44	43	40	31	18	16	4	20	20	23
25	23	20	19	16	11	21	20	24	27	31	38	42	47	48	51	53	51	49	41	28	34	22	24	22	32
26	19	19	20	23	20	17	17	24	32	39	42	44	49	49	48	***	57	55	40	31	25	14	9	7	30
27	4	13	22	26	19	11	8	15	21	42	47	48	43	46	40	39	32	28	26	17	15	15	17	18	26
28	25	27	30	26	26	22	17	22	26	34	40	43	43	41	38	36	34	36	27	12	4	3	5	5	26
29	2	1	1	1	1	16	26	30	37	38	44	48	38	38	36	33	30	28	27	24	19	13	8	14	23
30	18	9	18	19	14	12	20	32	34	36	37	36	36	36	37	36	38	38	35	28	26	23	20	19	27
MEAN	16	16	20	21	20	19	19	21	24	28	31	32	33	35	35	32	30	30	26	18	16	14	15	14	23.4

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - SW NO 15001														WESTERN FAIR GROUNDS KING/RECTORY, LONDON											
MONTH - MAY 78														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	28	27	26	26	23	22	29	28	28	31	29	30	30	28	29	32	34	32	26	20	18	21	24	27
2	27	29	26	25	23	18	17	24	30	33	33	35	36	34	34	34	35	34	33	22	16	11	14	23	27
3	25	30	31	25	20	11	13	18	32	32	36	39	40	39	37	37	38	37	31	25	11	4	13	20	27
4	25	23	17	15	12	11	17	24	34	38	40	37	39	39	36	38	37	38	36	35	38	38	36	37	31
5	34	34	35	31	28	25	20	20	19	19	***	23	21	19	15	10	8	7	8	8	13	15	17	22	20
6	17	18	14	19	14	8	7	9	15	19	21	23	26	22	22	24	28	24	32	26	16	9	0	0	17
7	4	6	5	0	0	0	11	22	36	41	47	49	49	51	49	47	50	54	60	51	43	36	34	29	32
8	27	27	27	28	29	26	23	29	39	***	42	40	40	40	32	32	35	30	31	22	26	12	5	23	29
9	19	19	9	12	22	15	4	13	22	32	32	35	37	37	36	34	31	27	31	30	27	22	26	31	25
10	24	25	27	29	26	21	19	25	26	24	24	27	26	28	31	28	33	30	27	15	0	1	2	5	22
11	19	31	31	31	33	18	11	14	27	34	45	53	65	66	56	42	47	36	29	26	14	25	38	25	34
12	39	45	45	37	28	19	7	***	24	22	29	34	38	38	33	30	34	30	32	35	29	32	36	34	32
13	38	38	25	23	26	31	32	32	35	32	35	35	34	35	38	45	48	46	43	37	41	34	37	38	36
14	40	42	45	48	50	50	51	48	48	44	49	46	47	31	29	31	46	37	39	42	40	37	36	47	43
15	49	52	51	49	47	41	35	34	32	36	36	39	38	38	38	40	37	39	35	30	35	27	29	30	38
16	30	32	29	23	20	17	21	23	21	26	36	37	38	40	43	41	43	39	36	22	9	12	10	25	28
17	25	29	32	34	35	25	14	20	27	29	22	30	***	***	***	21	22	23	20	25	20	12	7	23	23
18	5	0	0	0	2	1	3	13	32	41	44	49	48	45	48	43	39	36	32	18	0	0	0	0	21
19	0	0	0	0	0	0	0	10	35	48	52	54	***	61	54	51	54	56	48	23	5	3	8	32	26
20	15	23	27	20	20	28	31	27	39	57	65	66	74	70	80	56	40	28	31	33	29	21	49	34	40
21	17	15	16	15	21	21	21	25	28	29	34	35	39	40	39	29	29	30	28	24	17	10	3	0	24
22	0	0	0	0	0	0	0	11	29	41	48	54	52	51	50	48	46	46	41	24	0	0	0	0	23
23	0	0	0	0	0	0	2	15	20	32	37	45	60	65	62	53	58	51	50	45	35	26	28	23	29
24	27	21	22	28	29	20	11	12	23	36	57	68	***	***	81	80	70	65	57	44	29	21	17	23	38
25	24	31	12	17	11	3	13	23	46	69	72	76	76	77	74	78	80	75	69	60	16	4	1	1	42
26	0	0	0	0	0	0	4	17	55	91	109	109	111	106	108	99	105	78	78	63	27	4	0	0	49
27	0	0	0	0	0	0	16	36	65	84	105	106	111	100	89	72	73	68	65	41	12	0	0	1	44
28	1	0	0	2	11	14	31	40	40	46	55	68	83	94	96	93	88	74	60	42	26	24	30	37	44
29	29	19	14	11	13	7	12	19	28	37	55	***	***	68	73	76	73	59	69	58	39	27	32	41	39
30	44	44	45	37	29	8	12	26	41	56	67	52	51	62	64	61	58	59	55	48	33	38	31	27	44
31	31	32	26	16	11	12	16	***	***	41	43	38	40	37	30	26	27	27	25	19	14	10	9	18	25
MEAN	21	22	21	19	19	15	16	23	33	40	47	48	50	50	49	46	47	42	41	33	22	17	19	21	31.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - SW NO 15001					WESTERN FAIR GROUNDS					KING/RECTORY, LONDON					MONTH - JUN 78									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	15	10	9	7	7	7	11	20	23	38	38	41	53	63	71	81	74	53	40	34	38	24	15	33	
2	20	28	50	42	23	11	11	17	27	29	22	27	25	27	27	19	17	13	15	5	3	0	0	14	20	
3	18	18	19	19	15	16	19	22	26	32	36	35	34	31	34	35	36	38	33	16	5	11	22	9	24	
4	3	10	0	0	0	8	24	28	37	43	46	50	51	54	54	59	56	52	50	38	47	48	53	44	36	
5	38	37	35	37	32	24	19	19	20	21	22	23	28	27	28	29	30	26	23	18	6	0	0	0	23	
6	0	0	0	0	0	0	7	15	22	27	35	40	39	43	46	52	58	49	44	39	35	30	37	36	27	
7	37	36	26	25	33	22	8	5	6	17	23	32	27	22	18	21	24	24	15	14	6	4	9	16	20	
8	19	23	21	24	22	15	20	26	24	10	10	12	12	13	14	16	19	16	7	9	11	11	12	15	16	
9	19	24	24	22	21	12	15	18	28	30	33	43	****	****	57	45	40	34	27	19	12	6	0	0	24	
10	0	4	8	6	5	4	12	20	26	31	39	38	48	60	64	69	62	77	67	60	53	66	60	60	39	
11	55	43	40	37	25	27	25	40	46	54	59	60	64	69	68	77	79	79	75	71	66	55	52	51	55	
12	48	42	32	20	29	21	18	22	27	****	46	48	36	34	20	21	26	28	29	19	15	12	12	15	27	
13	17	16	13	13	13	11	11	****	****	16	17	17	20	22	23	24	26	29	25	17	6	3	5	17	16	
14	19	22	23	21	19	13	14	18	22	23	23	22	23	23	22	23	25	23	20	13	2	0	0	0	17	
15	0	0	0	0	0	0	0	6	9	11	19	21	20	22	24	31	33	31	26	23	13	16	9	20	14	
16	28	20	15	18	7	4	9	17	25	35	37	30	30	35	22	18	13	18	24	28	31	36	38	42	24	
17	44	37	32	28	22	23	24	19	24	21	9	7	23	43	41	39	37	32	30	30	28	23	36	33	29	
18	27	25	27	26	27	22	24	25	28	34	37	34	29	29	33	37	39	33	31	27	22	18	21	19	28	
19	22	21	19	7	12	5	5	8	25	34	39	38	41	40	40	44	40	42	37	31	15	6	0	0	24	
20	0	0	0	0	0	0	3	8	13	41	66	69	59	63	70	70	75	72	62	52	44	65	68	56	40	
21	48	36	40	51	56	32	16	19	17	36	61	59	58	51	44	42	38	37	33	29	10	7	6	14	35	
22	18	19	21	19	12	4	12	17	23	27	30	37	32	34	35	38	38	37	34	23	11	8	12	24	24	
23	21	21	24	28	26	18	20	20	23	27	31	31	30	****	31	28	27	23	18	15	10	5	0	0	21	
24	0	0	0	0	0	1	3	8	17	27	36	43	58	73	82	82	65	55	42	36	29	27	24	21	30	
25	8	3	4	9	19	27	34	38	41	49	69	78	95	89	83	94	96	91	89	91	87	81	68	66	59	
26	69	62	54	46	39	31	24	20	28	40	39	40	41	40	48	48	46	45	32	31	17	11	17	37	37	
27	20	24	25	14	12	13	14	27	34	46	56	68	81	72	62	57	56	56	52	40	35	34	27	32	40	
28	29	27	25	25	21	19	13	12	19	25	27	29	28	27	26	17	23	28	24	17	1	1	23	42	22	
29	50	55	52	42	29	16	14	26	35	43	45	45	44	41	41	43	48	47	42	32	23	20	28	38	38	
30	24	30	30	31	30	20	19	23	23	29	31	30	31	28	****	30	28	32	26	19	15	18	18	12	25	
MEAN	24	23	22	21	19	14	15	19	25	30	36	38	40	42	42	43	43	41	36	30	24	22	22	24	28.9	

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - SW NO 15001					WESTERN FAIR GROUNDS					KING/RECTORY, LONDON					MONTH - JUL 78									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	14	16	16	14	14	14	10	15	20	22	26	25	26	27	21	23	25	26	24	12	7	3	8	18	
2	11	4	12	20	23	24	27	26	21	26	34	36	35	36	37	37	38	41	45	36	27	21	18	21	27	
3	22	21	23	29	28	26	28	28	27	28	29	28	27	25	26	30	31	31	28	21	24	28	28	27	33	
4	23	22	22	20	23	20	19	24	27	32	36	39	40	46	41	41	54	64	65	47	20	21	24	14	17	
5	3	0	0	0	0	0	6	21	32	53	57	55	62	64	63	57	50	50	43	27	19	13	11	17	29	
6	22	24	35	25	22	9	10	25	37	50	60	60	68	70	69	77	111	92	79	69	64	58	62	72	53	
7	80	80	63	52	27	23	22	26	38	59	75	82	84	****	****	85	91	91	86	85	85	91	85	56	67	
8	43	42	42	34	31	24	28	32	37	40	45	44	41	34	30	29	30	32	25	21	18	17	14	12	31	
9	11	12	13	13	12	13	14	19	21	27	32	39	38	36	34	44	49	54	53	39	38	32	30	39	30	
10	46	50	44	38	26	21	15	14	17	18	20	21	23	****	17	16	16	17	17	15	10	8	5	7	21	
11	7	12	14	12	12	11	9	12	14	16	16	16	20	21	20	20	19	20	19	17	9	7	3	0	14	
12	0	0	0	0	0	0	0	3	19	24	31	29	30	31	32	36	39	47	57	53	31	26	22	23	22	
13	31	37	39	34	22	14	11	21	36	38	43	54	53	53	52	54	58	60	51	46	36	29	28	34	39	
14	31	34	41	44	41	36	29	29	31	34	37	39	39	38	37	****	32	34	33	23	10	2	0	0	29	
15	0	0	0	0	3	2	22	42	41	48	70	79	95	97	99	82	73	77	65	62	45	30	23	18	45	
16	15	17	17	16	14	12	11	11	10	12	17	18	20	21	17	18	18	17	11	6	4	4	8	14	14	
17	12	11	10	5	7	5	3	9	14	22	26	28	26	****	27	26	25	26	24	15	9	2	1	0	14	
18	0	0	0	0	0	0	0	8	26	34	40	46	50	60	56	57	56	58	68	74	58	57	65	87	38	
19	82	70	56	46	32	17	9	19	50	66	83	74	62	65	69	64	70	82	68	68	60	63	66	60	58	
20	72	87	76	66	50	32	23	25	48	66	82	92	87	81	85	85	90	90	89	76	55	60	67	74	69	
21	74	75	71	58	47	36	23	16	12	22	28	43	56	****	****	66	75	68	64	52	30	22	12	16	44	
22	22	26	28	22	14	10	9	15	25	41	54	67	76	78	89	105	101	94	92	76	78	75	69	51	55	
23	38	32	31	29	25	29	32	32	36	32	24	21	21	23	22	22	22	21	20	17	9	8	12	13	24	
24	12	16	13	14	7	1	1	8	18	27	29	31	34	37	41	44	42	36	30	22	6	0	0	0	20	
25	0	4	4	6	4	2	2	9	34	41	38	47	44	46	48	46	48	48	45	41	37	32	34	45	29	
26	50	49	36	29	23	19	18	20	23	26	31	33	41	52	59	63	64	62	43	18	19	31	38	31	37	
27	23	27	30	23	20	15	13	15	20	25	27	40	45	57	49	20	24	32	21	19	17	16	11	11	25	
28	10	11	12	12	12	6	6	11	13	14	18	21	23	24	****	25	26	26	19	8	3	3	13	20	15	
29	27	31	29	24	16	9	11	23	20	22	25	29	39	46	41	38	35	31	32	33	24	24	20	18	27	
30	14	9	9	10	6	6	8	10	15	17	19	22	26	27	29	31	33	29	29	19	16	14	14	13	18	
31	4	1	4	3	1	0	2	7	12	22	31	35	41	42	41	38	39	42	41	23	21	27	30	35	23	
MEAN	26	26	25	23	18	14	14	18	25	32	38	42	44	46	45	46	48	48	45	38	29	27	26	27	31.9	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 15001															WESTERN FAIR GROUNDS KING/RECTORY.LONDON										
MONTH - AUG 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	44	49	44	39	45	32	19	19	26	35	44	50	55	54	52	49	57	71	70	52	30	25	41	46	44
2	49	48	39	34	41	30	15	17	25	43	53	58	61	76	62	66	64	57	54	***	39	28	29	29	44
3	28	30	28	24	22	22	22	23	23	28	35	36	36	36	34	32	32	31	27	22	23	20	9	8	26
4	16	16	15	15	14	7	3	11	19	19	21	22	***	28	26	26	29	32	32	18	7	7	6	3	17
5	2	0	0	0	0	0	3	9	22	35	38	42	47	48	51	46	42	38	30	27	19	8	2	0	21
6	0	0	0	0	0	0	3	15	38	53	63	68	69	70	67	69	67	65	59	51	37	30	11	0	35
7	0	3	6	8	20	30	35	42	47	60	67	65	63	64	68	67	62	57	47	49	45	36	30	29	42
8	19	23	26	23	20	18	11	11	16	40	64	59	***	***	***	86	74	73	70	47	49	53	54	57	43
9	56	59	59	53	44	37	25	18	27	30	36	32	35	49	36	40	38	36	25	10	2	7	11	5	32
10	4	10	7	12	11	7	5	10	17	21	24	28	30	32	32	31	32	27	22	13	6	2	0	0	16
11	0	0	0	0	0	0	0	0	14	32	***	37	36	43	48	49	48	40	32	27	11	5	6	1	19
12	0	0	0	0	1	4	9	14	38	68	93	97	98	91	90	91	71	59	53	37	23	23	4	0	40
13	0	0	0	0	0	0	5	23	49	67	78	80	81	82	82	83	77	73	65	42	22	26	14	7	40
14	7	0	0	0	0	0	0	5	31	62	76	83	86	87	86	75	72	68	62	41	13	14	22	35	39
15	48	46	38	27	24	17	13	20	32	48	63	73	77	59	57	60	63	64	64	61	56	53	53	40	48
16	38	41	42	40	31	23	15	26	25	27	26	37	43	48	49	52	53	51	44	41	41	37	38	44	38
17	35	32	29	23	19	13	12	11	11	14	19	23	28	33	33	31	29	32	24	11	2	2	0	0	19
18	0	0	3	3	1	0	1	9	17	25	35	50	66	***	86	73	72	72	70	71	68	56	47	46	38
19	36	32	33	32	25	24	22	19	19	32	44	55	66	70	73	50	33	21	20	16	16	14	12	10	32
20	11	12	13	14	13	11	12	16	16	18	20	21	23	24	27	28	25	21	16	9	9	8	7	6	16
21	10	10	5	4	1	0	1	6	24	34	34	37	43	48	53	56	54	49	25	17	11	4	0	0	22
22	0	2	0	1	2	0	1	5	18	44	55	67	72	74	74	73	71	73	72	57	63	47	46	52	40
23	46	38	17	14	12	1	0	5	34	56	65	73	82	82	102	98	93	81	71	66	61	56	75	92	55
24	101	101	84	64	42	20	16	29	38	40	54	50	50	59	72	67	61	64	58	60	50	41	38	33	54
25	31	35	34	30	24	2	1	1	5	16	26	32	34	32	-	23	22	22	19	17	14	10	8	6	19
26	6	5	4	5	5	2	3	8	26	32	37	40	46	44	45	40	36	29	20	19	15	7	6	5	20
27	13	22	30	34	38	32	12	11	21	32	42	49	52	56	58	56	52	40	25	14	11	13	15	18	31
28	18	22	26	20	28	16	22	20	20	19	22	24	37	46	49	52	53	49	46	33	29	30	31	27	31
29	22	24	20	17	14	11	6	11	13	18	20	28	27	26	29	31	33	25	13	1	0	0	0	0	16
30	0	0	0	0	0	0	0	0	0	9	18	27	29	30	32	30	23	17	11	2	0	0	0	0	10
31	2	7	6	13	11	6	1	5	13	17	23	29	30	29	27	24	23	23	19	4	1	3	5	1	13
MEAN	21	22	20	18	16	12	9	14	23	35	43	47	52	52	55	53	50	47	41	31	25	21	20	19	30.9

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 15001															WESTERN FAIR GROUNDS KING/RECTORY.LONDON										
MONTH - SEP 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	2	2	1	1	0	2	6	****	24	27	32	36	36	38	39	36	11	4	3	2	3	0	13
2	0	0	0	0	0	0	0	3	16	31	47	72	69	70	68	60	60	59	49	39	42	39	55	59	35
3	58	26	31	38	22	12	14	19	29	45	50	53	47	45	43	38	34	24	15	15	16	14	12	3	29
4	2	5	10	12	2	1	2	6	11	17	20	22	27	30	31	30	29	28	22	1	3	0	8	20	14
5	23	23	17	8	2	0	0	2	10	27	34	43	47	48	50	52	47	46	40	45	47	52	52	48	32
6	38	49	50	35	27	11	4	6	27	59	68	61	64	67	83	76	77	88	82	65	49	44	32	42	50
7	65	68	69	59	56	48	32	25	39	57	64	68	56	46	40	36	27	40	64	65	64	13	12	11	47
8	14	15	15	14	10	8	4	2	5	10	14	16	25	***	42	51	39	23	5	2	2	1	1	8	14
9	18	21	22	16	13	9	4	11	15	16	18	22	26	29	31	31	30	32	31	26	22	20	18	10	20
10	9	10	12	13	10	11	9	11	9	6	8	12	17	24	32	40	47	39	28	31	29	34	40	42	22
11	46	31	37	42	33	20	13	7	11	29	42	52	72	****	68	64	77	61	54	51	50	55	50	41	44
12	41	45	41	41	30	7	13	11	10	7	7	6	7	7	6	6	5	3	2	6	9	10	1	2	13
13	3	3	3	5	7	8	5	10	12	17	18	20	24	24	22	22	19	17	14	12	12	16	18	15	14
14	13	13	13	14	15	12	7	7	10	16	17	18	25	24	25	29	36	39	34	11	10	7	19	18	18
15	21	25	22	20	19	10	4	5	8	13	15	20	25	25	26	28	23	23	22	28	25	15	11	7	18
16	4	10	19	19	17	18	10	11	16	17	18	18	22	22	21	19	19	16	6	4	1	3	3	3	13
17	4	8	7	7	7	7	7	7	8	7	8	9	13	12	11	12	11	7	7	7	6	6	6	10	8
18	10	9	9	8	8	8	7	8	10	11	12	10	8	9	11	7	5	5	1	0	0	0	0	0	7
19	7	8	4	1	0	0	1	1	2	3	6	10	16	18	19	18	17	17	13	5	6	10	10	11	8
20	12	11	9	8	8	6	0	0	3	8	14	38	62	63	64	51	45	38	20	22	23	10	1	1	22
21	7	15	15	16	17	10	1	6	7	8	9	10	15	15	16	12	11	11	7	7	9	10	10	10	11
22	10	11	11	8	6	1	0	2	7	****	13	15	17	17	19	20	18	14	5	2	0	0	0	0	9
23	0	0	0	0	0	0	0	2	4	11	18	22	27	29	32	35	30	25	10	2	0	0	0	0	10
24	0	0	0	0	0	0	0	2	9	25	40	42	49	54	62	62	63	55	46	26	24	29	30	30	27
25	35	28	23	18	10	3	1	2	***	15	15	15	16	16	16	12	13	12	3	0	0	0	0	0	11
26	0	0	0	0	0	0	0	0	3	9	15	17	21	21	20	19	19	17	10	8	11	16	20	11	10
27	2	2	3	14	9	6	1	5	13	25	34	42	49	52	51	47	31	15	10	14	14	16	16	16	20
28	14	10	9	8	7	3	0	2	6	11	13	15	16	17	16	14	13	13	2	0	0	0	0	0	8
29	0	0	0	0	0	0	0	0	3	9	16	17	***	24	24	22	21	14	8	14	6	6	1	2	8
30	0	0	0	0	0	0	0	6	9	13	28	39	43	50	54	53	41	20	4	5	10	12	5	3	17
MEAN	15	15	15	14	11	7	5	6	11	19	24	28	32	32	35	33	32	28	21	17	16	15	14	14	19.7



POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 15001															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	5	9	11	12	10	7	12	16	19	23	22	20	22	22	18	16	14	12	10	7	6	7	7	13
2	6	1	0	0	0	0	0	1	6	11	18	22	23	21	22	16	13	13	11	0	3	4	0	0	8
3	0	0	0	2	3	1	0	0	5	13	12	16	21	***	18	19	17	20	14	6	2	8	5	8	8
4	20	20	19	17	5	1	1	1	5	5	7	9	12	15	18	14	12	8	4	1	0	0	1	1	8
5	0	0	0	0	0	0	0	1	4	8	12	14	21	19	22	22	19	12	19	22	20	9	9	10	10
6	8	7	6	7	5	5	4	6	7	6	7	10	14	***	10	4	6	6	6	7	9	9	9	10	7
7	13	15	17	18	16	17	11	12	13	16	16	16	16	15	17	12	8	8	9	6	9	11	15	14	13
8	15	11	16	21	17	14	13	16	14	12	14	7	8	7	13	15	13	12	4	0	0	0	0	1	10
9	5	6	6	4	2	0	0	0	8	15	16	21	26	25	29	30	23	8	4	9	5	9	14	9	11
10	15	18	16	10	5	4	0	1	4	***	18	27	33	39	38	23	26	20	6	2	0	0	0	0	13
11	3	2	2	0	0	0	0	0	4	16	20	29	36	39	32	26	29	22	18	20	22	21	24	30	16
12	28	26	25	22	20	15	9	8	12	14	19	24	28	29	26	15	6	13	13	2	2	4	6	12	16
13	13	11	6	4	3	0	0	0	0	9	14	10	16	19	17	12	9	11	13	16	17	15	15	16	10
14	15	15	12	15	13	12	9	7	12	16	18	19	21	19	15	9	15	9	10	6	7	9	6	5	12
15	3	3	9	12	14	12	11	11	14	17	21	17	15	17	13	11	10	9	0	0	0	0	0	0	9
16	0	4	4	1	3	4	2	6	12	15	17	17	20	21	22	20	18	8	5	4	2	1	0	2	9
17	2	3	0	0	0	0	0	0	***	7	16	20	20	17	14	14	11	6	5	2	0	0	0	0	6
18	0	0	0	0	0	5	0	2	2	2	2	3	3	2	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	1	3	7	10	11	10	4	0	0	3	4	7	9	7	10	4
20	8	3	0	0	0	0	0	0	3	7	14	17	15	***	22	22	7	3	0	0	0	0	0	0	5
21	0	0	0	2	3	5	3	7	12	15	19	25	24	29	34	29	19	12	19	20	14	11	15	12	14
22	12	7	20	12	21	18	8	9	17	20	28	32	31	24	18	22	34	37	40	37	16	15	20	17	21
23	18	17	15	14	13	7	3	4	3	5	10	13	15	17	14	16	14	15	17	20	18	12	18	11	13
24	3	0	0	2	4	5	0	0	7	15	16	12	16	18	15	13	8	3	4	6	4	4	6	3	7
25	0	9	12	10	4	5	0	4	9	12	15	12	17	12	15	5	6	12	15	14	10	9	13	12	10
26	15	14	15	13	11	7	4	4	10	6	9	12	***	***	9	9	6	5	4	2	2	0	0	11	8
27	13	16	13	6	4	0	0	0	***	***	13	15	16	***	***	***	***	***	***	***	***	***	***	***	***
28	- DATA INVALID -																								
29	- DATA INVALID -																								
30	- DATA INVALID -																								
31	0	0	0	0	0	0	0	0	3	11	16	19	22	21	19	14	8	6	8	9	8	6	4	0	7
MEAN	8	8	8	7	6	5	3	4	8	11	15	17	19	20	19	15	13	10	9	8	7	6	7	7	9.9

PERCENTAGE OF DATA VALID - 89.0

PERCENTAGE OF DATA INVALID - 11.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SW NO 15001															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	4	16	24	30	29	26	21	7	0	0	0	0	2	0	0	7
2	6	6	9	13	5	1	0	0	3	6	13	17	19	19	22	17	5	0	0	0	0	0	0	0	7
3	0	0	0	0	0	0	0	0	0	0	11	28	35	35	***	30	13	5	0	0	2	2	4	4	7
4	3	0	0	0	0	0	0	0	4	12	21	25	30	60	60	33	14	3	0	0	0	0	0	0	11
5	0	0	4	10	20	9	5	4	7	13	22	32	30	41	46	40	31	24	16	13	28	25	22	32	20
6	41	37	30	25	20	16	13	6	3	2	1	11	13	15	13	10	9	10	8	8	10	9	5	2	13
7	9	13	17	16	20	10	6	3	7	14	17	18	20	19	17	15	7	0	0	0	0	0	0	0	10
8	0	0	0	0	0	0	0	0	0	5	11	14	16	16	16	14	4	5	2	4	5	7	11	12	6
9	17	15	13	10	7	5	2	0	8	12	12	14	15	13	11	4	4	0	0	0	0	0	0	0	7
10	0	0	0	0	0	0	0	0	0	0	4	8	12	16	14	***	4	0	0	0	0	0	0	0	3
11	0	0	0	0	0	0	0	0	1	3	3	5	6	8	5	7	4	10	13	5	3	5	6	8	4
12	12	10	11	12	12	13	13	14	14	14	15	14	14	12	11	11	10	11	8	9	7	10	16	19	12
13	22	19	19	13	12	12	9	5	4	4	3	3	4	4	3	3	1	1	3	3	4	3	4	9	7
14	15	22	21	23	17	13	7	4	4	5	8	11	14	***	***	12	8	7	9	10	17	15	14	16	12
15	19	17	22	20	16	12	8	3	4	7	14	15	17	18	11	12	5	3	0	0	0	0	0	0	9
16	0	0	0	11	5	2	0	0	1	9	20	19	24	20	18	14	7	3	4	1	6	8	8	9	8
17	8	5	7	7	5	2	2	3	9	11	17	17	13	16	12	10	7	3	4	6	5	8	10	12	13
18	6	9	8	9	14	17	17	20	15	17	22	22	24	25	21	21	20	18	18	11	2	0	0	0	12
19	10	10	9	9	7	9	6	15	22	22	24	25	21	21	20	18	18	11	2	0	0	0	0	0	12
20	0	0	0	14	21	20	16	12	13	11	11	12	15	***	***	12	11	14	11	8	5	12	9	14	11
21	13	15	12	7	15	12	9	3	10	14	19	20	18	19	17	10	4	7	12	15	17	16	15	14	13
22	17	23	22	19	16	14	8	6	6	7	5	7	5	9	8	4	3	4	5	5	7	5	3	2	9
23	2	2	1	2	1	1	2	2	3	3	3	5	4	5	3	0	0	0	0	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	1	2	2	2	3	***	***	1	3	4	5	6	8	16	15	3
25	18	14	9	11	11	12	11	9	9	5	5	11	14	12	7	6	5	8	9	7	12	13	12	10	10
26	13	13	17	21	22	23	18	16	21	21	23	24	20	20	15	11	7	5	5	4	9	14	13	16	12
27	18	22	23	23	22	22	20	15	16	16	15	14	15	11	***	7	5	3	0	0	0	0	0	0	12
28	0	0	0	0	2	4	3	3	4	7	8	6	8	10	13	11	9	7	5	5	5	5	3	2	5
29	3	5	5	4	4	3	1	4	4	8	11	18	16	12	10	5	4	2	7	8	8	6	4	6	10
30	4	6	10	10	11	19	16	13	12	10	14	15	16	18	20	16	12	6	4	1	1	0	1	0	8
MEAN	9	9	9	10	10	9	7	5	6	8	12	14	16	18	17	13	8	6	4	4	5	6	6	7	8.9



POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION														
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - DEC 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	7	8	8	7	8	6	2	1	1	4	6	7	9	****	5	4	0	0	0	0	0	0	3	13	4				
2	16	17	18	18	20	23	23	14	16	16	17	19	20	21	22	20	15	11	11	5	6	7	10	10	16				
3	9	6	9	14	20	20	18	18	17	16	14	12	10	7	5	4	3	3	6	5	6	7	6	8	10				
4	6	9	6	5	10	6	4	5	8	12	12	12	11	****	11	12	10	12	15	15	14	16	16	15	11				
5	14	13	13	12	11	12	8	6	7	9	9	9	11	9	8	5	4	3	4	4	2	4	2	2	8				
6	2	2	2	2	1	1	1	1	1	4	5	8	6	7	8	8	5	4	3	2	2	1	0	0	7				
7	16	16	19	16	16	15	9	6	5	7	10	8	7	4	5	4	3	2	2	1	0	0	0	0	7				
8	0	0	0	0	0	0	2	4	6	10	6	11	12	13	9	9	14	15	13	10	9	10	13	18	8				
9	22	21	21	22	21	23	25	25	22	21	20	20	19	21	21	18	20	20	18	18	19	20	17	15	20				
10	13	12	14	16	17	17	16	16	16	18	21	22	20	18	19	18	11	7	5	5	4	6	4	4	13				
11	4	0	0	3	0	0	1	2	2	6	****	8	8	7	3	1	0	0	0	0	0	0	0	0	2				
12	0	0	2	5	5	3	4	1	2	6	7	7	8	11	12	9	8	5	5	1	3	3	3	8	5				
13	9	11	13	13	15	15	13	8	6	3	3	8	16	15	12	8	7	6	8	12	16	19	23	24	12				
14	24	25	28	26	24	22	17	9	7	11	10	11	10	13	7	8	8	9	11	10	11	12	10	8	14				
15	7	9	9	8	7	7	6	4	3	7	8	9	10	****	****	2	2	2	2	1	0	0	0	0	5				
16	0	0	0	0	0	0	0	0	1	3	5	6	10	8	7	3	1	0	0	1	3	4	3	1	2				
17	7	17	21	23	25	24	24	25	24	24	23	22	22	22	22	20	18	16	12	11	9	11	9	8	18				
18	12	11	10	10	7	2	0	0	0	4	7	8	9	11	15	12	14	10	5	9	13	16	15	9	9				
19	3	13	17	18	19	16	5	4	5	****	****	14	18	19	18	13	12	10	10	7	8	4	5	5	11				
20	6	5	5	3	0	1	1	2	5	6	8	5	7	4	2	1	0	0	0	0	0	0	0	0	3				
21	0	0	0	0	2	6	11	14	16	16	18	21	25	25	24	19	10	9	5	5	5	4	1	0	10				
22	3	6	5	6	3	3	2	2	1	****	7	9	11	11	9	8	6	4	2	0	7	11	10	9	6				
23	14	12	12	12	10	6	2	2	3	4	8	11	13	16	14	13	9	2	0	0	0	0	1	7	7				
24	0	1	3	5	6	10	9	7	10	10	11	12	12	12	9	7	5	5	3	1	0	0	0	0	6				
25	0	0	0	1	2	1	5	13	15	18	18	19	21	24	23	23	21	21	20	17	18	13	12	12	13				
26	12	13	12	9	8	10	8	6	8	12	18	20	20	22	20	18	13	9	10	11	14	14	15	13	13				
27	16	18	19	19	19	12	10	10	9	12	14	16	17	16	15	13	9	10	12	11	12	9	5	6	13				
28	6	7	13	16	11	8	6	2	1	****	****	13	15	20	15	13	5	0	0	0	0	0	0	0	7				
29	0	0	0	0	0	0	0	3	6	7	10	14	12	13	13	13	10	11	7	5	4	3	4	5	6				
30	7	5	5	5	5	4	2	3	3	4	5	3	2	2	0	0	0	0	0	0	0	0	0	0	2				
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	1				
MEAN	8	8	9	9	9	9	8	7	7	10	11	12	13	13	12	10	8	7	6	5	6	6	6	7	8.5				

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - OZONE-CHEMILUMINESCENT

## UNITS - PARTS/BILLION

## STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	11.3	27	29
FEB	28	15.5	26	46
MAR	31	24.0	45	96
APR	30	23.4	33	57
MAY	31	31.5	49	111
JUN	30	28.9	59	96
JUL	31	31.9	69	111
AUG	31	30.9	55	102
SEP	30	19.1	50	88
OCT	27	9.9	21	40
NOV	30	8.9	20	60
DEC	31	8.5	20	28
YEAR	361	20.5	69	111

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	372	218	144	0	0	0	0	0	734
FEB	243	181	188	54	0	0	0	0	666
MAR	159	132	234	172	31	4	0	0	732
APR	124	149	231	199	7	0	0	0	710
MAY	103	101	177	249	82	11	9	0	732
JUN	107	147	184	179	82	14	0	0	713
JUL	109	147	167	172	106	32	3	0	736
AUG	171	114	123	170	132	23	3	0	736
SEP	299	177	81	97	57	3	0	0	714
OCT	364	229	56	13	0	0	0	0	662
NOV	437	214	46	11	2	0	0	0	710
DEC	471	212	50	0	0	0	0	0	733
YEAR	2959	2021	1681	1316	499	87	15	0	8578

## FREQUENCY DISTRIBUTION BY PERCENTILES

FREQUENCY PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.9	0	0.0	8.1	16.3	25.4	43.1	57.0	72.3	81.8	111	20.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	22	23	22	18	22	28	28	29	27	28	28	28	30	31	28	26	26	10	21	27	29	31	31	26
2	31	29	30	31	33	32	32	29	29	31	32	33	30	35	32	29	28	28	26	25	27	23	23	29	
3	26	24	22	21	22	18	19	19	24	28	30	30	36	36	36	32	31	30	29	30	30	24	12	2	25
4	17	13	8	12	9	14	16	18	11	14	17	18	19	19	18	17	19	21	21	16	17	17	14	13	16
5	11	13	12	10	4	2	0	0	0	5	9	9	10	10	11	14	6	3	4	2	0	0	0	6	11
6	0	0	0	0	0	0	0	0	8	13	13	18	21	23	24	24	23	20	18	18	20	20	20	12	
7	20	18	17	16	15	15	14	13	12	12	12	11	14	14	12	11	9	8	5	1	1	1	1	11	
8	1	3	4	5	6	7	7	7	13	14	15	15	14	10	8	7	4	3	4	9	19	23	23	21	10
9	23	24	25	26	26	26	26	27	28	28	32	33	34	35	34	34	34	33	32	33	33	34	34	30	
10	35	35	35	35	36	37	37	37	37	37	37	37	37	39	39	39	38	37	37	37	37	35	32	37	
11	27	27	29	23	23	22	20	20	20	23	***	27	26	28	28	26	22	16	14	9	7	8	9	4	20
12	3	5	5	3	0	0	0	***	4	9	13	***	***	28	22	15	11	7	6	7	9	9	5	0	8
13	8	9	8	8	7	5	12	4	13	17	18	20	21	22	22	18	15	13	13	12	11	23	26	28	15
14	26	28	22	19	22	23	23	24	26	28	29	28	29	30	31	31	31	31	30	30	30	27	25	27	
15	27	27	28	26	26	26	22	25	26	28	29	31	37	40	40	42	41	34	19	23	27	29	31	29	30
16	27	26	26	18	16	13	9	9	11	20	21	24	32	31	32	25	21	20	24	23	22	23	22	19	21
17	15	14	15	14	10	2	1	1	2	4	6	6	8	***	***	***	32	35	39	40	37	38	38	39	19
18	40	22	29	31	32	32	29	29	30	34	36	***	42	43	41	33	26	21	17	13	10	8	7	28	
19	5	3	4	6	6	7	1	0	4	12	23	27	34	31	20	23	28	27	12	9	9	9	9	13	
20	24	42	44	42	41	41	40	38	37	37	37	35	25	25	26	26	24	26	17	16	14	16	18	22	30
21	36	36	37	38	39	38	36	35	34	36	40	43	45	46	47	47	48	46	26	18	16	16	17	35	
22	22	23	33	40	40	36	27	24	23	28	30	34	40	42	43	46	50	48	46	45	44	41	38	37	
23	30	26	22	19	23	23	21	14	15	25	31	36	41	44	48	51	44	35	29	27	31	29	30	28	30
24	28	26	25	20	16	13	14	12	18	26	32	37	41	35	36	37	31	30	34	27	17	13	13	15	25
25	21	21	17	15	14	13	12	7	8	15	17	19	21	18	14	17	10	9	10	16	18	12	10	6	14
26	6	8	13	17	13	11	10	15	27	30	30	32	32	29	26	25	24	25	28	30	31	34	34	35	24
27	35	34	35	36	36	36	36	36	37	37	37	38	41	42	43	43	42	40	34	31	30	29	29	36	
28	26	26	25	25	24	24	26	28	29	30	32	36	40	42	42	41	41	39	37	34	34	34	34	33	
29	33	32	31	31	24	26	26	25	24	23	25	28	32	34	35	36	37	35	34	34	34	31	30	29	30
30	30	28	27	29	34	35	36	29	31	34	***	37	40	43	43	41	39	36	32	29	29	30	31	34	
31	31	30	25	19	17	16	15	18	21	22	23	26	30	33	37	37	38	37	32	35	34	34	32	30	28
MEAN	22	22	22	21	20	20	19	19	20	24	25	27	29	31	31	30	28	27	24	23	23	23	22	21	23.9

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - PARTS/BILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-.-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - PARTS/BILLION

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*.. INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT											UNITS - PARTS/BILLION																								
	STATION - WC NO 22071											EXPERIMENTAL FARM SIMCOE											MONTH - APR 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN											
1	32	42	52	68	81	81	82	82	78	72	67	69	68	68	55	47	48	50	50	47	47	50	49	49	60											
2	51	50	51	50	52	54	54	56	57	58	58	60	63	64	61	61	64	61	59	53	46	43	46	46	55											
3	51	48	47	45	45	45	44	45	43	46	50	51	52	51	49	48	46	41	31	29	29	27	26	24	42											
4	22	19	19	18	17	18	21	22	22	24	31	41	46	45	52	47	40	19	21	27	28	28	20	32	28											
5	40	40	43	50	54	53	48	48	46	49	48	46	53	53	53	53	53	52	44	36	29	42	34	47	47											
6	13	22	32	31	29	25	26	30	37	39	39	39	43	45	46	47	48	47	47	47	46	46	40	35	37											
7	30	27	23	19	27	31	34	35	31	36	****	41	54	59	58	61	62	61	55	47	44	46	46	45	42											
8	48	41	39	39	39	38	38	39	39	40	39	39	40	41	42	43	44	45	45	44	42	42	45	43	41											
9	45	41	38	35	39	41	42	38	40	42	43	44	50	54	56	53	39	31	40	45	40	42	44	39	43											
10	40	40	36	32	36	24	28	37	40	41	41	46	45	48	49	47	45	43	41	31	31	33	33	11	37											
11	9	11	26	30	31	28	31	30	24	28	23	24	31	32	35	40	50	90	48	44	37	42	40	42	33											
12	46	42	44	41	39	36	31	33	38	41	49	51	48	57	68	70	72	69	71	72	72	71	69	59	54											
13	56	55	52	47	43	40	39	37	37	42	40	41	42	43	42	39	38	38	38	35	35	35	29	30	41											
14	42	46	42	32	36	42	46	48	48	50	51	52	53	53	54	54	53	53	52	35	35	44	47	48	47											
15	45	45	44	42	41	39	41	44	44	44	44	44	45	45	45	44	43	42	41	40	39	39	37	32	42											
16	31	29	28	27	27	26	28	32	40	46	46	47	49	51	51	51	48	45	45	38	28	34	39	34	38											
17	30	26	24	21	22	22	24	30	42	-	52	55	54	56	58	63	62	65	63	58	51	53	55	50	45											
18	47	40	26	15	9	20	23	36	45	36	44	60	63	64	64	57	55	51	48	45	43	51	58	64	44											
19	66	70	66	66	65	64	62	58	60	63	65	66	56	46	48	51	58	54	40	35	39	43	44	34	55											
20	28	31	36	37	44	46	42	40	43	45	43	42	44	47	49	50	52	53	44	43	41	44	44	43	43											
21	42	41	43	44	45	46	46	45	45	45	47	48	51	51	54	55	55	54	51	50	49	49	44	39	47											
22	37	38	39	39	39	38	37	42	45	50	54	56	62	64	64	64	59	62	59	52	41	49	41	36	49											
23	32	24	13	15	12	14	28	34	41	42	56	61	59	50	61	57	63	64	49	29	44	49	49	41	41											
24	43	30	16	15	12	1	12	17	31	40	57	51	62	68	79	80	71	69	71	67	57	56	58	47	46											
25	35	36	17	1	2	7	19	36	46	50	54	60	66	69	72	72	69	66	62	57	55	53	48	46	46											
26	49	50	46	39	10	8	25	40	47	50	54	61	69	69	69	72	73	73	70	62	60	46	35	47	51											
27	38	37	27	24	29	32	42	46	48	58	59	61	65	66	68	70	71	75	77	68	59	55	45	34	52											
28	31	30	32	35	36	34	35	40	48	56	60	62	64	65	62	62	60	59	56	47	41	37	29	31	46											
29	28	27	27	28	30	36	37	49	52	56	63	66	73	71	64	58	55	53	51	48	44	43	41	37	47											
30	37	38	35	34	29	30	36	46	48	50	52	52	55	55	54	54	55	55	53	51	48	42	41	41	45											
MEAN	38	37	35	34	34	34	37	41	44	46	49	51	54	55	56	56	55	53	51	46	44	44	43	40	44.9											

PERCENTAGE OF DATA VALID - 99.7      PERCENTAGE OF DATA INVALID - 0.1      PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT											UNITS - PARTS/BILLION													
	STATION - WC NO 22071											MONTH - MAY 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	39	39	39	39	31	32	36	42	47	48	49	49	48	47	47	45	45	45	46	46	43	45	40	38	43
2	37	35	34	31	30	30	30	41	44	44	46	50	54	55	56	57	57	55	52	44	41	40	39	37	43
3	34	32	32	37	36	35	37	***	***	52	57	58	57	59	63	64	63	60	56	47	37	42	45	45	48
4	47	37	21	20	18	19	28	35	43	52	53	53	56	54	53	54	55	56	54	52	49	46	43	40	43
5	41	42	39	36	37	40	37	39	47	45	45	47	51	47	47	48	48	49	43	40	31	30	32	30	41
6	33	36	35	21	7	2	9	13	18	21	24	27	31	28	23	30	29	33	39	38	38	34	33	33	28
7	30	23	24	24	28	29	33	40	51	68	68	66	69	72	73	88	90	80	77	60	56	48	47	39	53
8	33	36	38	48	53	56	56	54	66	69	68	70	72	70	68	62	60	59	52	49	49	45	37	25	54
9	33	40	41	43	43	52	53	55	62	63	60	65	69	66	63	59	57	56	55	50	50	48	44	42	53
10	46	42	38	39	40	40	38	37	37	42	40	41	41	45	46	45	49	48	48	45	24	21	12	15	38
11	30	33	38	40	41	24	19	45	45	47	60	72	88	94	103	111	111	97	84	66	62	64	62	53	62
12	65	66	64	59	47	42	25	27	39	44	42	48	56	61	66	68	70	68	65	62	56	54	52	53	54
13	52	49	48	50	51	59	61	60	60	58	57	59	61	56	62	69	70	65	61	60	62	60	57	60	59
14	66	65	65	66	64	62	60	64	70	74	76	74	66	68	52	52	59	60	49	50	49	47	50	57	61
15	65	68	68	65	66	62	59	52	51	49	48	47	46	45	45	44	45	44	41	38	36	32	29	25	49
16	- DATA INVALID -																								
17	***	***	***	***	***	***	***	***	***	***	***	59	61	68	66	69	79	88	88	67	62	57	40	46	47
18	17	19	22	22	19	26	24	21	29	43	59	61	68	66	69	79	88	88	67	62	57	40	46	46	47
19	40	44	37	27	23	15	31	66	89	94	95	91	81	81	80	78	83	109	114	147	131	114	102	76	83
20	93	82	74	68	63	63		66	79	85	92	100	116	119	115	118	99	82	75	71	69	70	68	65	83
21	69	77	47	34	29	29	32	37	41	45	48	50	56	61	59	54	52	55	53	45	34	35	34	31	46
22	29	25	22	19	16	15	20	37	42	46	46	47	59	59	63	60	58	53	46	43	55	36	32	30	40
23	27	39	40	39	24	11	9	19	35	45	***	56	64	65	68	65	65	63	52	38	36	34	38	19	41
24	30	37	36	44	42	35	21	27	44	65	75	86	90	87	87	90	86	81	74	68	55	37	30	35	57
25	39	35	38	29	19	15	16	24	65	81	78	79	76	74	73	76	76	71	62	58	65	63	50	40	54
26	34	26	22	22	21	18	22	45	83	86	87	89	98	101	97	94	85	78	89	111	113	92	89	70	81
27	93	84	80	72	62	71	87	85	83	106	113	109	107	92	81	80	81	79	70	59	48	69	72	56	81
28	66	58	56	69	74	73	49	46	46	51	60	65	71	72	73	73	68	68	63	46	55	53	46	32	60
29	35	43	43	46	41	28	20	***	***	38	45	52	63	63	63	63	66	72	75	72	68	65	66	68	53
30	65	62	62	60	48	35	27	33	43	53	84	97	101	99	97	100	103	100	79	70	72	71	69	55	70
31	42	45	47	40	30	25	25	32	48	68	70	68	70	66	53	51	45	43	39	36	32	24	24	26	44
MEAN	46	45	43	42	38	36	35	41	51	58	62	65	67	67	67	68	67	65	61	56	55	51	48	44	53.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - WC NO 22071						EXPERIMENTAL FARM SIMCOE						MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	27	27	22	14	16	16	19	22	30	32	39	43	46	54	90	83	54	48	48	49	43	51	53	40
2	36	45	71	75	73	63	48	47	52	54	55	57	60	59	57	55	55	48	41	34	24	21	21	16	49
3	13	15	21	23	23	24	27	33	33	37	42	45	50	53	53	52	47	45	45	44	34	29	25	22	35
4	17	12	12	13	14	11	13	30	36	44	45	50	59	62	62	61	65	65	63	62	66	71	67	55	44
5	47	52	48	41	40	38	38	37	***	35	34	36	38	38	41	42	43	44	42	41	33	27	23	23	38
6	22	21	20	20	18	19	14	24	34	37	42	48	50	50	46	47	51	52	51	45	42	39	39	50	37
7	55	56	50	39	38	37	34	25	32	36	36	46	54	53	52	43	46	45	48	44	32	30	30	32	41
8	49	55	55	55	46	35	29	37	43	55	63	66	67	61	57	54	46	39	32	29	30	28	23	22	45
9	23	28	22	24	31	33	32	35	39	43	44	48	57	62	68	75	73	70	58	46	36	32	29	18	43
10	20	22	19	17	16	18	17	21	29	43	49	52	48	53	66	82	83	86	89	82	69	71	90	87	51
11	74	62	55	54	49	47	48	58	66	79	82	86	97	98	103	109	109	110	103	94	89	77	67	60	78
12	55	51	47	47	45	44	46	51	60	69	79	82	88	72	51	46	49	54	57	37	23	20	19	19	51
13	20	19	17	17	17	16	16	15	17	18	21	22	24	29	32	34	35	36	38	36	30	27	24	22	24
14	22	19	18	16	16	16	18	21	30	31	35	36	37	39	39	40	41	41	39	38	31	26	24	25	29
15	22	23	27	28	26	22	27	37	36	31	35	39	42	51	50	47	49	47	39	28	20	13	27	21	33
16	27	32	37	35	30	24	19	22	35	41	45	49	61	66	58	50	41	49	50	48	53	60	58	58	44
17	54	51	48	47	43	37	37	37	42	54	58	57	62	79	90	101	97	87	85	82	81	76	74	65	64
18	54	53	54	54	54	49	48	49	54	56	60	63	61	66	67	60	58	55	55	52	40	36	34	31	53
19	32	31	30	27	22	18	24	17	26	38	44	45	47	44	46	45	48	48	46	42	39	19	27	23	35
20	20	19	17	15	5	10	19	33	43	59	62	63	68	76	80	89	93	90	90	85	78	80	93	84	57
21	87	75	65	58	51	45	38	22	29	43	56	64	71	76	77	77	62	52	44	39	30	21	14	12	50
22	8	12	11	11	13	15	20	25	30	32	38	39	39	43	46	52	55	63	64	61	57	52	46	43	36
23	41	34	25	21	19	20	23	26	28	28	30	37	39	38	38	40	40	37	35	25	14	9	15	19	28
24	6	2	1	0	2	6	10	20	29	36	40	39	43	47	47	48	48	47	48	41	32	24	21	22	26
25	27	22	14	21	32	32	25	28	30	38	46	56	63	75	79	78	84	86	89	84	77	65	57	57	53
26	60	51	43	42	38	28	28	27	27	45	48	57	60	63	65	61	57	56	53	41	42	48	46	47	47
27	42	43	36	21	17	19	19	21	39	62	76	82	90	94	84	72	69	78	75	61	51	46	43	42	53
28	36	37	33	27	25	23	23	25	28	34	37	39	38	37	38	37	38	38	37	32	30	27	21	41	33
29	71	73	74	75	75	65	47	38	41	47	51	52	52	52	50	49	48	47	46	42	36	29	29	31	51
30	29	26	27	28	26	28	22	21	26	32	36	42	46	42	40	60	83	76	76	68	47	37	27	24	40
MEAN	37	36	34	32	31	28	27	30	35	43	47	51	55	57	58	60	60	58	56	51	44	39	39	37	43.6

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION															
STATION - WC NO 22071						EXPERIMENTAL FARM SIMCOE						MONTH - JUL 78															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	20	16	11	10	13	11	12	15	21	23	26	31	33	36	43	49	50	48	47	43	36	31	35	41	29		
2	41	39	39	32	27	20	16	20	30	33	37	37	40	42	43	42	41	48	45	37	32	28	26	20	34		
3	18	22	23	23	25	28	29	28	25	24	25	29	35	42	44	38	34	30	29	29	27	24	22	21	28		
4	20	20	19	20	22	30	32	32	35	35	39	45	48	50	52	55	57	55	44	40	29	17	15	13	34		
5	4	3	5	6	2	1	8	***	47	55	62	63	64	63	63	61	58	97	93	94	92	86	99	109	67		
6	35	32	36	35	31	34	34	36	50	56	65	73	82	74	84	90	96	97	93	94	92	86	99	109	67		
7	95	84	70	51	36	31	31	34	58	65	78	85	89	93	97	103	110	118	121	107	95	82	70	80			
8	67	62	59	52	44	40	39	39	46	55	57	61	66	72	76	65	52	44	40	40	39	35	26	23	50		
9	20	17	15	13	11	13	13	14	16	21	28	35	38	33	36	39	42	46	52	51	45	52	55	58	32		
10	56	58	62	57	53	37	25	23	23	23	25	29	31	31	31	29	26	24	24	24	19	16	15	15	32		
11	16	14	12	11	11	12	13	15	17	19	22	28	29	28	29	30	31	32	32	30	21	18	17	14	21		
12	9	10	8	8	7	5	6	19	26	34	38	41	42	49	49	50	49	53	53	47	36	35	33	37	31		
13	46	43	40	43	40	38	36	40	44	52	53	60	73	81	84	91	93	88	94	94	83	71	66	62	63		
14	58	49	39	37	34	30	35	38	41	52	61	64	63	62	61	61	60	56	49	40	35	29	23	21	46		
15	16	12	10	10	12	16	20	39	78	83	96	90	91	98	107	108	100	82	78	86	88	85	72	44	63		
16	31	26	25	23	22	19	17	18	18	22	28	31	37	39	41	41	39	38	38	26	21	28	25	23	28		
17	21	17	17	10	8	10	13	16	20	27	35	43	44	49	49	43	45	46	47	49	43	37	29	21	31		
18	16	13	10	6	7	8	11	17	30	50	57	66	72	69	74	77	70	61	57	60	43	27	44	64	42		
19	65	62	59	55	55	54	49	49	54	77	105	106	115	109	101	105	106	106	103	84	72	81	58	68	79		
20	64	79	90	75	65	59	55	58	65	76	92	102	110	117	114	97	101	99	99	94	75	73	63	48	82		
21	78	88	74	72	53	49	59	60	60	***	64	73	72	78	89	93	93	86	84	81	71	57	52	55	71		
22	32	45	49	56	54	42	30	33	41	53	73	78	80	88	112	124	132	127	124	113	101	89	77	73	76		
23	72	57	49	48	43	43	39	44	46	53	53	52	44	42	39	34	29	28	26	22	16	25	23	23	40		
24	12	6	9	10	12	16	19	17	19	29	38	37	35	29	26	44	49	30	43	57	47	35	28	24	28		
25	21	13	8	8	6	7	8	20	38	48	62	68	71	72	66	61	68	73	64	72	70	82	80	71	48		
26	62	37	31	35	33	34	34	37	42	***	53	66	71	76	85	95	101	102	103	67	47	40	39	40	59		
27	51	56	53	47	43	38	28	26	29	40	52	62	66	63	69	69	54	40	39	35	26	22	19	18	44		
28	18	13	13	14	14	7	7	9	11	17	19	25	***	***	39	40	37	38	38	29	26	26	24	12	22		
29	19	23	26	25	19	16	11	32	37	36	41	41	48	70	77	81	76	45	41	40	44	38	30	26	39		
30	19	17	19	18	16	15	12	13	28	***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****		
31	- DATA UNAVAILABLE -																										
MEAN	37	34	33	30	27	25	25	29	37	43	51	56	60	63	65	66	65	62	61	57	49	45	42	40	45.7		

		POLLUTANT - OZONE-CHEMILUMINESCENT											UNITS - PARTS/BILLION													
		STATION - WC NO 22071					EXPERIMENTAL FARM SIMCOE						MONTH - AUG 78													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		-	-	-	-	-	-	-	-	****	66	70	72	78	76	72	91	95	70	52	56	59	53	55	*****	
2		66	71	65	59	52	43	24	33	49	68	66	70	74	74	85	92	101	110	98	75	68	61	63	62	68
3		60	61	58	52	45	35	26	25	25	****	34	41	47	51	53	52	52	46	41	35	30	32	32	30	42
4		28	22	23	25	24	19	17	23	26	27	29	30	37	35	37	35	40	44	43	37	31	26	22	27	29
5		16	16	12	16	18	20	18	27	36	39	45	50	52	54	54	57	52	51	41	23	22	28	27	38	34
6		31	18	20	12	13	13	18	26	42	52	66	72	78	80	87	80	78	75	68	58	45	37	34	36	47
7		49	67	56	47	35	41	55	51	54	56	57	60	66	75	75	75	72	72	65	58	51	50	43	41	57
8		40	25	22	36	51	45	45	44	36	****	38	62	84	91	102	83	73	71	74	74	76	75	72	65	60
9		56	63	66	72	72	67	60	57	53	55	61	69	71	76	81	78	45	49	39	36	24	28	17	12	54
10		15	15	11	14	18	15	13	15	19	21	29	39	46	40	41	45	48	48	41	31	26	29	29	22	28
11		23	21	22	19	14	6	4	9	16	38	43	51	58	65	73	73	76	60	41	31	27	29	4	12	34
12		7	9	8	11	17	18	20	35	44	64	63	67	73	76	74	77	78	78	72	45	39	35	28	40	45
13		39	35	38	38	49	31	27	39	51	61	76	76	80	81	79	78	79	76	70	65	68	65	62	55	59
14		56	46	45	46	39	27	13	36	51	70	73	73	73	73	81	77	72	68	57	55	32	56	69	68	57
15		68	64	56	42	36	35	30	25	****	46	60	76	80	85	84	83	84	71	65	53	52	48	45	41	58
16		45	43	42	40	38	36	36	38	39	37	40	57	70	68	72	77	71	61	61	62	55	49	44	41	51
17		44	42	38	34	31	28	23	23	22	21	23	27	34	38	42	45	42	40	36	30	25	21	20	24	31
18		23	17	10	5	9	12	12	12	20	28	37	38	47	54	57	61	60	60	54	45	33	43	39	48	34
19		52	52	46	40	35	30	33	33	31	35	49	65	74	82	93	98	81	50	41	26	23	23	22	47	31
20		21	19	17	16	15	13	13	14	15	19	22	24	29	31	32	35	33	30	28	19	10	16	10	11	21
21		12	14	16	15	12	11	10	12	16	22	35	39	47	53	54	58	60	62	55	31	43	36	30	21	52
22		32	39	26	13	15	13	18	34	41	61	68	70	70	73	75	78	79	77	69	73	66	65	72	54	32
23		62	72	80	81	72	71	43	69	66	92	95	93	104	117	122	120	113	111	99	77	81	97	109	108	90
24		113	113	83	58	53	53	52	55	63	74	79	83	85	70	69	85	85	82	71	60	54	31	15	16	67
25		16	16	16	16	16	11	5	9	10	13	15	21	24	35	45	49	39	40	45	43	37	32	18	19	25
26		20	16	13	11	9	7	16	29	41	44	49	53	57	59	60	67	66	63	45	50	55	49	52	39	39
27		49	40	30	8	1	0	5	17	36	46	53	57	62	51	52	47	43	37	34	29	24	21	19	17	32
28		15	12	10	16	27	36	37	37	40	42	41	47	49	54	62	68	72	70	68	63	51	41	37	36	43
29		34	30	27	26	24	21	17	25	****	37	40	45	50	54	43	38	41	42	39	31	26	16	10	5	31
30		7	5	7	8	9	11	8	6	17	29	38	39	42	42	40	39	34	26	21	17	17	20	13	11	21
31		11	9	8	14	15	12	14	13	13	21	28	34	39	41	44	47	48	43	42	37	26	19	17	14	25
MEAN		37	36	32	30	29	26	23	29	34	43	49	55	60	63	66	66	65	62	55	46	41	40	36	36	44.3

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
STATION - WC NO 22071														EXPERIMENTAL FARM SIMCOE													
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		13	13	9	7	6	8	10	14	14	19	33	45	53	52	48	58	59	52	41	27	21	17	39	38	29	
2		33	33	29	31	21	14	14	25	35	44	53	61	64	73	80	90	77	78	78	80	78	75	71	73	55	
3		73	80	68	60	57	53	46	42	42	47	58	69	70	63	55	48	45	42	33	30	25	23	20	19	49	
4		20	19	19	17	16	14	13	16	20	24	27	32	34	34	38	40	42	38	33	31	28	23	30	28	27	
5		33	35	33	31	26	19	17	19	***	32	41	51	56	60	66	78	73	65	61	55	53	56	66	68	48	
6		66	64	60	57	41	19	12	18	31	48	59	94	110	111	113	113	107	108	90	83	85	80	69	60	71	
7		56	70	75	76	60	44	39	42	63	69	57	44	23	18	18	23	18	13	18	17	17	****	****	****	41	
8		****	****	****	****	****	****	****	****	****	13	16	20	20	21	23	25	28	26	18	10	8	5	2	3	3	
9		6	6	2	2	1	4	10	14	15	18	23	29	30	33	38	42	40	35	35	29	23	17	9	14	20	
10		13	12	11	9	8	8	15	23	18	20	21	23	32	32	34	44	43	41	28	19	24	16	30	42	23	
11		40	36	34	32	39	42	45	45	****	54	61	72	80	81	82	83	91	82	84	82	80	75	62	61	63	
12		56	50	46	44	37	30	24	14	11	10	14	15	15	16	16	17	19	20	20	19	17	14	13	23		
13		13	17	19	20	20	18	18	18	20	24	26	29	33	34	29	24	24	23	24	21	18	15	12	22		
14		14	14	15	15	22	25	22	25	29	30	34	40	40	43	43	45	44	41	37	31	28	25	19	29		
15		37	32	29	27	26	22	18	20	24	27	28	30	35	42	44	53	47	36	41	47	49	48	47	42	35	
16		37	25	24	24	22	21	21	23	26	28	29	30	31	32	32	32	29	24	19	19	17	17	17	16	25	
17		8	5	5	5	6	6	6	9	11	14	17	19	19	21	20	19	19	19	20	23	23	19	17	16	14	
18		16	18	19	18	19	19	19	18	18	18	19	19	19	19	19	19	19	19	15	16	15	11	17	17	17	
19		18	19	14	3	0	2	5	7	9	11	11	12	16	17	19	25	26	28	24	26	23	27	21	17	16	
20		21	22	20	18	16	11	8	10	12	21	31	41	50	62	70	80	80	72	55	59	60	56	59	53	41	
21		52	48	43	39	35	32	30	30	****	43	45	53	54	31	25	25	25	23	23	20	19	16	16	16	32	
22		18	16	14	13	13	13	12	11	12	14	18	21	23	28	29	31	28	23	18	17	17	16	12	8	18	
23		6	6	4	4	0	1	3	7	14	22	24	25	27	29	27	14	14	31	32	28	24	26	26	24	17	
24		24	20	12	7	6	7	2	6	17	32	45	50	56	59	59	60	61	68	65	62	58	56	53	46	39	
25		38	36	29	22	16	13	11	11	15	20	23	23	24	25	24	24	23	18	14	10	8	8	8	7	19	
26		5	10	12	12	9	6	6	11	13	22	28	30	30	35	37	37	35	30	35	36	34	29	25	23	23	
27		22	19	22	18	15	13	15	24	32	42	46	55	62	66	69	75	78	78	44	39	29	18	19	20	38	
28		20	20	18	14	12	12	12	13	15	17	19	23	26	***	****	28	27	24	18	7	6	7	4	3	16	
29		0	0	0	0	0	0	5	8	10	15	21	28	30	35	34	16	11	28	26	21	11	19	23	24	15	
30		17	19	19	18	15	15	15	19	22	27	36	42	50	58	71	72	72	61	56	46	40	40	41	38	38	
MEAN		27	26	24	22	19	17	16	18	21	27	32	37	40	42	44	45	43	41	37	34	31	30	30	28	30.7	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
		STATION - WC NO 22071						EXPERIMENTAL FARM SIMCOE						MONTH - OCT 78													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	34	28	22	17	16	19	20	19	18	20	25	27	29	30	29	29	29	27	21	18	14	12	10	7	22		
2	5	5	5	3	2	2	2	5	10	16	22	28	33	34	28	25	23	18	12	8	6	6	11	20	14		
3	18	18	18	17	12	8	8	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***		
4	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	18	22	23	19	16	12	6	6	8	11	***	
5	10	8	10	9	6	6	4	7	14	12	12	10	20	22	26	26	28	22	19	33	38	37	31	23	18		
6	23	18	18	16	14	14	12	13	14	17	17	15	19	24	28	29	22	12	11	10	10	13	13	13	16		
7	13	15	18	19	20	20	20	20	21	24	25	25	27	27	27	25	24	23	19	20	19	16	16	16	21		
8	16	20	18	20	21	20	18	17	19	21	23	23	23	23	23	23	21	21	20	16	14	6	10	8	19		
9	7	13	13	12	12	11	10	13	18	24	23	26	28	32	36	40	40	35	25	29	30	28	25	22	23		
10	17	17	20	23	21	22	20	***	***	26	27	34	40	45	46	47	46	41	31	26	19	20	21	29	29		
11	30	31	31	15	9	9	7	5	16	18	24	26	32	35	38	37	27	28	34	36	30	31	34	32	26		
12	32	34	32	31	30	27	27	28	29	26	26	29	37	41	43	45	45	44	40	32	24	22	22	22	32		
13	17	18	25	21	16	10	7	5	6	9	10	13	14	19	20	15	8	8	9	13	19	21	21	20	14		
14	21	21	23	21	21	20	19	17	18	18	16	15	18	20	21	22	23	22	19	19	19	17	14	11	19		
15	5	5	3	4	8	9	11	16	22	24	26	29	30	30	29	28	22	17	8	3	6	7	7	12	15		
16	13	10	4	0	5	15	16	13	13	20	18	25	25	25	26	27	27	25	24	22	18	11	10	11	17		
17	12	9	8	5	5	7	7	8	13	18	17	18	19	27	27	29	28	19	13	10	15	12	15	15	15		
18	18	14	7	6	5	8	7	5	8	16	14	14	16	16	17	14	12	7	3	5	4	3	3	3	9		
19	2	5	4	2	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***		
20	16	15	13	9	7	7	7	8	16	20	21	23	27	30	31	31	29	28	25	21	18	15	19	18	12		
21	13	11	13	14	15	12	11	11	15	23	31	37	42	46	53	57	63	62	51	47	45	46	42	40	33		
22	34	32	31	28	26	24	25	27	29	31	38	43	49	56	64	66	66	62	58	56	48	43	40	40	42		
23	40	29	19	17	16	13	13	12	11	11	11	12	15	17	19	21	22	23	22	22	25	24	21	19	19		
24	18	15	16	14	13	12	***	20	24	24	25	25	23	23	23	21	18	12	13	16	17	15	14	16	18		
25	15	12	8	6	3	1	7	8	9	13	15	20	24	24	24	26	26	26	23	22	25	25	24	23	17		
26	23	23	26	26	25	19	11	9	9	12	15	14	15	15	16	15	15	15	15	14	10	12	12	12	16		
27	13	13	14	14	10	3	4	9	13	14	14	20	25	27	27	25	23	23	23	23	23	21	19	14	17		
28	10	7	5	5	6	5	4	3	5	9	18	22	25	24	24	23	23	21	20	17	16	14	13	12	14		
29	10	11	12	13	12	9	8	8	9	9	12	15	18	16	15	14	13	12	12	10	9	6	2	1	11		
30	2	3	4	5	5	4	5	11	***	20	21	23	26	27	28	23	8	4	8	12	15	20	22	13			
31	14	11	8	5	4	3	3	4	9	21	24	31	32	35	41	43	37	26	21	19	18	16	13	12	19		
MEAN	17	16	15	13	13	12	11	11	15	18	20	23	26	28	29	29	27	24	21	20	19	18	18	17	19.1		

PERCENTAGE OF DATA VALID - 95.0

PERCENTAGE OF DATA INVALID - 5.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION														
		STATION - WC NO 22071					EXPERIMENTAL FARM SIMCOE							MONTH - NOV 78														
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1		9	7	6	8	10	10	9	9	10	13	18	20	15	13	12	7	3	9	11	6	2	3	4	8	9		
2		11	13	16	17	15	11	8	7	9	15	23	27	30	30	29	23	18	15	14	15	16	19	21	18	14		
3		18	14	14	16	17	13	7	4	2	6	18	30	44	54	62	62	55	29	20	21	16	16	17	9	24		
4		10	12	16	13	15	16	14	9	12	19	27	41	59	67	67	60	55	54	48	47	49	54	46	36	35		
5		33	40	36	37	33	28	21	20	23	32	44	49	54	60	69	73	70	64	61	59	57	52	50	50	46		
6		49	49	49	46	43	39	32	26	24	***	21	21	20	20	21	21	21	23	24	23	25	25	23	23	29		
7		23	22	20	19	18	22	13	7	11	13	16	18	24	27	25	25	22	12	4	4	2	2	0	2	14		
8		2	2	2	2	2	1	1	1	3	5	14	17	20	25	27	26	22	12	9	9	11	12	10	10	10		
9		12	18	18	19	19	20	15	15	17	19	21	21	25	26	26	25	21	19	19	16	8	13	15	10	18		
10		6	2	2	3	1	0	0	1	2	4	8	12	16	22	26	20	12	2	1	1	0	0	0	0	6		
11		0	0	0	0	0	0	0	1	3	10	16	24	34	37	41	39	27	22	19	19	22	24	9	8	15		
12		10	11	12	11	10	14	17	19	20	21	21	20	21	20	21	20	19	18	19	20	21	20	20	21	18		
13		22	22	21	21	22	19	15	16	13	11	11	10	9	8	9	10	11	12	13	11	11	11	12	13	14		
14		13	13	15	15	18	18	19	16	14	13	18	20	21	25	27	26	18	12	9	8	7	3	4	5	15		
15		13	14	15	18	18	19	16	14	13	18	20	21	25	27	27	26	18	12	9	8	7	3	4	5	15		
16		7	5	0	0	0	0	0	2	5	7	10	12	23	21	23	24	24	19	18	17	14	11	7	5	2	11	
17		3	4	5	6	7	6	6	4	9	11	12	14	14	14	14	15	15	14	14	14	11	7	9	10	10		
18		7	8	11	13	14	16	20	22	24	26	26	27	25	25	23	21	21	19	13	21	19	16	19	18	19		
19		19	20	20	21	17	14	12	12	13	25	25	26	28	28	27	26	25	22	20	10	14	15	5	4	19		
20		6	6	7	6	8	8	11	12	12	15	15	-	7	8	10	17	22	16	13	15	17	21	20	0	12		
21		0	0	0	1	1	1	1	1	4	9	15	20	19	17	16	16	18	18	18	17	15	13	14	15	10		
22		15	15	13	16	16	16	13	10	8	10	15	16	16	18	19	21	18	13	8	6	1	1	1	1	12		
23		0	0	0	0	0	1	0	0	0	2	3	4	6	7	9	5	5	1	0	0	0	0	0	0	2		
24		0	0	0	0	0	0	0	0	0	0	4	5	6	6	6	5	4	3	5	7	9	13	17	21	5		
25		22	22	23	23	20	15	12	13	13	14	20	24	24	23	21	20	20	20	19	19	18	14	20	23	19		
26		22	19	18	19	22	21	20	20	16	14	16	20	23	21	22	15	14	12	11	10	8	8	3	0	13		
27		19	12	17	18	20	22	20	19	16	14	14	15	14	12	12	16	19	19	18	13	11	11	6	3	9		
28		0	0	0	0	0	0	2	4	8	10	11	14	12	12	16	19	19	19	18	13	11	11	6	3	9		
29		3	2	3	5	8	8	9	12	13	15	16	17	18	18	18	12	7	3	2	4	5	8	7	9	9		
30		9	9	10	10	11	12	12	15	17	20	21	21	22	22	22	23	24	25	22	19	18	16	14	11	17		
MEAN		12	12	12	13	13	13	11	11	12	14	17	20	22	24	25	24	21	18	16	15	15	15	13	12	15	15	

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION																			
STATION - WC NO 22071															EXPERIMENTAL FARM SIMCOE										MONTH - DEC 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	12	12	12	10	10	10	9	5	5	6	11	10	14	15	15	14	6	11	15	13	5	0	0	0	9									
2	3	17	20	21	21	21	23	23	24	24	26	28	29	29	30	30	28	24	24	27	25	17	8	6	22									
3	13	20	21	22	21	19	21	19	18	16	14	14	14	15	13	9	6	6	8	6	5	8	11	10	14									
4	12	11	14	14	9	13	9	1	3	8	12	18	20	20	20	20	21	21	19	25	24	21	18	18	15									
5	22	19	18	16	15	15	15	14	14	14	16	17	19	19	19	17	15	15	16	16	15	13	10	9	16									
6	5	2	2	2	2	0	0	0	3	6	13	13	13	11	***	15	13	5	0	0	0	1	1	0	5									
7	0	0	0	4	12	12	11	13	11	11	13	14	13	12	10	4	2	0	0	0	0	0	0	0	6									
8	2	3	3	3	0	0	0	0	0	1	2	4	9	11	15	14	15	17	17	12	16	22	22	22	9									
9	23	21	21	21	23	24	24	24	24	25	25	25	25	25	25	25	25	24	24	25	23	23	22	22	24									
10	22	19	18	17	17	17	17	18	19	21	22	24	27	26	25	25	25	25	23	18	13	12	13	12	10	19								
11	10	8	8	8	8	8	7	8	13	18	20	15	13	13	11	12	9	8	10	12	11	11	8	8	11									
12	8	7	6	4	6	7	10	9	7	13	18	19	21	21	20	19	19	18	16	15	12	10	9	8	13									
13	11	12	14	17	18	20	21	21	20	17	16	14	15	18	20	21	19	16	14	13	14	18	24	28	18									
14	30	29	28	28	28	28	26	23	21	22	22	21	22	22	20	21	21	19	19	18	17	21	21	19	23									
15	19	17	16	12	14	13	14	14	14	15	16	18	19	18	18	18	16	14	15	13	12	11	9	7	15									
16	6	4	2	2	1	1	1	1	4	7	10	11	14	14	14	12	5	4	9	4	6	11	10	9	7									
17	3	3	21	23	23	25	27	26	26	26	27	28	28	27	28	27	27	27	26	26	25	24	22	20	24									
18	21	19	18	15	15	14	11	7	7	9	11	14	18	19	21	21	18	19	20	20	21	23	26	24	17									
19	22	23	22	22	22	25	26	24	22	22	23	22	21	21	21	23	18	16	13	6	13	15	13	13	20									
20	15	13	6	3	0	0	0	0	3	5	***	8	5	5	4	3	1	1	1	1	0	0	0	0	3									
21	0	0	0	0	0	3	6	13	20	23	23	25	29	31	31	30	29	28	26	25	23	8	2	2	16									
22	3	2	8	6	2	4	5	10	13	12	12	13	14	16	17	15	15	15	14	15	15	16	18	11	11									
23	22	22	20	20	21	19	17	13	15	18	20	17	20	23	22	16	8	3	3	9	14	5	9	6	15									
24	8	8	12	13	12	14	15	12	14	16	17	16	16	17	16	14	12	12	11	10	7	7	8	12	17									
25	6	7	7	7	7	7	5	3	11	17	18	20	22	24	28	27	27	27	27	25	22	21	21	22	17									
26	22	19	17	18	18	19	20	19	21	24	26	27	27	27	27	27	26	27	24	21	20	20	20	20	22									
27	22	19	20	22	22	22	21	19	19	19	23	25	24	23	23	23	23	21	19	20	20	20	20	21	21									
28	18	18	18	18	18	17	17	14	15	16	19	25	28	28	29	29	26	22	18	23	16	11	5	0	19									
29	0	0	0	0	0	0	0	0	4	9	18	21	21	21	17	11	7	7	10	6	5	7	6	7	4									
30	8	6	3	2	2	2	2	3	6	8	10	10	14	11	9	8	5	0	0	0	0	0	0	0	0									
31	0	0	0	0	0	0	0	0	0	3	4	4	5	4	3	3	2	1	3	4	5	10	12	13	3									
MEAN	12	12	12	12	12	12	12	11	13	15	17	17	19	19	19	18	16	15	14	14	13	12	12	11	14.1									

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - OZONE-CHEMILUMINESCENT

## UNITS - PARTS/BILLION

## STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	23.9	37	51
FEB	27	37.0	57	89
MAR	23	55.8	116	171
APR	30	44.9	60	82
MAY	29	53.3	83	147
JUN	30	43.6	78	110
JUL	29	45.7	82	132
AUG	30	44.3	90	122
SEP	30	30.7	71	113
OCT	29	19.1	42	66
NOV	30	15.9	46	73
DEC	31	14.1	24	31
YEAR	349	35.2	116	171



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	121	145	232	233	1	0	0	0	732
FEB	31	60	127	319	108	4	0	0	649
MAR	8	11	51	199	240	28	27	6	570
APR	8	24	71	388	223	4	0	0	718
MAY	4	24	69	255	274	56	22	0	704
JUN	12	74	129	272	186	40	6	0	719
JUL	35	96	106	210	162	58	33	0	700
AUG	35	107	95	212	235	33	13	0	730
SEP	78	216	147	139	106	12	6	0	704
OCT	153	272	198	72	12	0	0	0	707
NOV	236	293	136	31	21	0	0	0	717
DEC	251	291	198	2	0	0	0	0	742
YEAR	972	1613	1559	2332	1568	235	107	6	8392

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.8	0	8.7	19.6	30.4	44.3	65.7	77.3	92.8	106.6	171	35.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 26029

TRAILER EDNA/FREDERICK ST

KITCHENER

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12	26	26	27	27	25	23	13	9	7	14	23	25	31	31	30	22	17	1	1	0	0	0	0	0	16
13	0	0	0	0	0	0	1	1	1	6	9	9	11	16	16	13	11	11	16	15	18	25	26	28	10
14	33	31	34	37	37	37	34	34	27	22	20	18	20	23	21	19	14	21	26	29	28	24	21	20	26
15	20	17	30	34	30	27	25	26	29	33	12	17	20	17	30	34	30	27	25	26	29	....	....	....	26
16																									
17	....	....	....	....	....	....	....	....	....	....	6	12	16	20	17	15	10	8	13	22	26	28	27	27	....
18	32	32	33	35	37	31	16	9	8	11	14	18	25	28	31	25	14	1	0	0	2	3	0	0	17
19	0	0	0	0	0	0	0	0	0	1	3	9	14	19	20	14	8	7	12	17	21	22	24	26	9
20	28	28	30	33	32	32	30	22	17	17	19	23	25	23	23	22	19	19	22	23	21	23	24	20	24
21	17	18	28	32	31	29	24	18	16	19	25	27	29	27	25	24	20	8	9	11	4	5	14	26	20
22	23	20	16	16	20	18	11	12	12	18	22	25	28	30	32	32	29	25	16	15	11	9	3	2	19
23	4	7	7	4	7	7	2	2	7	16	23	28	32	36	37	30	26	17	15	14	20	19	17	15	16
24	13	11	10	11	8	7	8	9	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
25	....	....	....	....	....	....	....	....	....	....	4	0	1	7	9	7	5	5	5	1	0	0	0	1	....
26	13	13	14	15	15	10	9	11	11	12	20	24	27	27	28	31	29	27	28	32	35	35	35	35	22
27	37	36	36	34	34	34	33	32	32	31	32	33	35	37	38	37	37	35	32	31	32	33	33	32	34
28	27	31	32	29	30	30	11	6	1	1	1	9	25	28	32	32	31	28	21	16	26	26	28	25	22
29	22	27	25	5	1	0	5	1	4	9	24	29	30	34	35	36	35	33	31	27	26	28	28	26	22
30	25	19	29	29	31	37	36	35	17	9	16	25	33	35	36	25	29	31	24	22	21	22	23	27	27
31	24	19	14	9	9	8	4	4	4	8	17	19	25	36	37	38	31	23	21	22	35	31	30	34	21
MEAN	20	20	21	21	20	19	15	14	12	14	17	20	25	27	28	25	22	19	18	18	20	20	20	21	19.9

PERCENTAGE OF DATA VALID - 58.5

PERCENTAGE OF DATA INVALID - 22.6

PERCENTAGE OF DATA UNAVAILABLE - 19.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER														MONTH - FEB 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		31	28	24	22	19	18	22	23	24	22	22	30	37	39	44	46	44	36	24	20	20	17	15	16	27
2		11	9	8	5	5	2	1	0	0	3	9	15	29	34	42	42	38	30	27	24	25	21	25	26	18
3		18	3	0	1	2	4	7	2	0	0	1	1	11	24	28	30	31	27	11	6	2	5	1	2	9
4		2	4	4	1	5	10	4	0	0	0	1	4	13	16	16	17	19	20	7	2	0	0	0	0	6
5		0	0	0	0	1	0	0	0	0	3	7	14	25	24	24	25	26	27	18	19	21	19	12	14	12
6		18	24	32	34	31	25	20	17	10	6	6	18	21	23	29	27	20	20	25	28	32	32	34	31	23
7		33	35	37	36	38	37	30	26	23	29	32	35	32	30	31	32	23	12	9	8	9	10	16	27	
8		12	20	14	17	19	21	16	5	1	5	8	10	10	15	22	29	27	21	5	1	0	2	0	3	12
9		13	12	15	22	24	25	22	4	1	5	14	22	28	36	38	39	36	24	15	14	14	16	17	19	20
10		27	28	28	32	35	36	32	23	11	9	23	31	36	37	38	40	40	39	32	31	27	26	27	27	30
11		32	32	30	29	31	32	32	30	28	26	30	32	37	40	42	43	39	36	32	30	32	37	41	41	34
12		42	38	39	36	39	42	41	39	36	37	37	40	41	41	40	40	40	40	39	42	43	41	40	39	40
13		38	38	36	27	34	30	27	26	17	10	12	22	26	28	28	28	26	19	13	11	15	17	15	16	23
14		19	20	24	23	24	25	18	7	3	11	16	16	22	30	31	28	24	16	13	11	5	3	4	1	16
15		0	0	0	0	2	0	0	0	2	21	30	34	43	44	47	50	47	42	41	31	29	38	44	42	24
16		37	32	39	38	38	31	14	7	11	20	22	30	38	41	44	43	40	35	38	34	42	44	44	42	34
17		40	32	14	16	13	8	3	4	11	22	32	36	40	39	37	38	40	29	15	25	14	16	20	10	23
18		1	5	16	16	7	2	1	3	13	25	28	33	41	44	42	40	36	30	24	12	9	10	12	15	19
19		14	16	14	18	2	17	19	20	16	22	33	36	37	38	39	39	38	31	19	7	3	0	1	1	20
20		0	0	0	0	0	0	0	0	0	11	20	37	45	50	51	48	35	24	24	32	27	29	34	27	21
21		29	39	34	15	5	12	4	2	1	11	26	38	40	43	39	35	28	17	25	29	23	21	18	20	23
22		25	26	27	31	33	31	21	14	20	28	31	34	34	35	36	36	32	28	28	29	35	37	34	30	30
23		35	35	29	25	26	19	8	11	17	28	38	46	45	49	55	57	48	38	35	32	35	27	20	15	32
24		19	24	29	29	34	29	25	22	22	27	32	38	44	42	37	34	35	36	32	34	36	39	37	26	32
25		12	15	21	25	27	27	22	15	14	14	13	17	22	24	24	20	20	20	11	2	2	2	3	1	16
26		4	15	24	27	28	32	34	32	34	36	37	40	38	39	40	41	40	35	24	25	24	26	29	29	31
27		28	31	34	34	35	34	31	21	27	35	35	34	39	40	41	41	38	39	32	27	20	32	31	31	33
28		32	26	24	30	0	14	17	0	8	45	55	54	59	61	61	53	49	39	28	21	22	26	23	0	31
MEAN		20	21	21	21	20	20	17	13	13	18	23	28	33	36	37	37	35	29	23	21	20	21	21	19	23.7

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
		STATION - WC NO 26029					TRAILER EDNA/FREDERICK ST					KITCHENER			MONTH - MAR 78											
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		12	4	25	52	57	57	45	25	29	37	36	38	41	42	43	40	33	30	28	29	31	31	30	25	34
2		24	29	34	36	38	35	19	15	24	32	41	41	42	43	47	46	43	41	28	15	4	0	0	0	28
3		0	0	9	13	5	8	2	1	5	22	22	24	27	25	25	27	28	11	28	33	41	42	36	46	20
4		47	45	44	45	44	42	32	32	33	34	34	36	37	37	36	35	35	32	31	31	32	31	29	27	36
5		28	24	23	36	37	39	33	35	38	42	43	45	48	49	56	52	50	52	44	43	46	43	46	43	41
6		36	31	22	27	31	13	0	1	7	26	27	31	38	50	54	23	14	11	4	2	0	1	9	5	17
7		10	32	50	41	34	15	0	0	-	15	23	25	25	26	26	32	20	4	3	0	0	0	0	0	13
8		13	10	7	13	17	4	0	2	4	11	26	28	31	37	38	44	52	57	47	49	45	22	8	12	25
9		0	0	0	0	0	0	0	1	8	34	44	44	44	44	43	44	52	57	47	49	45	22	8	12	25
10		26	22	18	20	11	6	1	0	6	23	26	31	27	25	27	25	17	26	20	0	0	5	4	10	16
11		- DATA INVALID -																								
12		- DATA INVALID -																								
13		- DATA INVALID -																								
14		- DATA INVALID -																								
15		- DATA INVALID -																								
16		- DATA INVALID -																								
17		36	35	38	40	39	36	31	32	36	41	53	53	50	54	55	57	60	61	57	50	46	42	42	42	45
18		41	40	39	36	36	41	43	43	45	49	49	44	45	45	46	47	44	45	41	41	39	36	35	31	42
19		33	34	26	16	8	6	0	9	12	29	29	34	34	32	29	19	15	15	19	22	25	25	25	16	21
20		6	7	11	17	27	21	7	3	4	6	8	9	15	27	41	41	36	31	37	39	41	42	42	45	23
21		49	51	50	51	53	53	44	36	35	34	39	44	49	45	38	48	29	25	21	17	10	12	23	31	30
22		36	38	39	40	41	40	35	33	35	36	38	41	44	43	44	45	44	39	32	23	21	26	34	37	37
23		36	36	38	38	39	37	36	34	34	32	31	33	35	35	35	35	34	35	29	26	30	25	20	18	33
24		20	27	34	44	43	39	30	30	32	32	33	26	35	38	39	38	37	37	34	19	20	38	40	27	24
25		40	39	39	40	40	39	39	36	35	30	30	29	25	24	25	23	19	14	13	16	12	13	16	22	27
26		22	19	19	23	24	22	8	5	11	26	26	30	41	43	44	40	34	35	37	39	40	44	44	43	30
27		43	40	35	28	24	22	13	23	30	24	26	25	24	20	***	13	11	10	12	18	22	25	40	34	24
28		36	41	42	41	40	39	36	27	27	32	32	31	30	30	30	31	27	30	25	24	21	25	26	24	31
29		28	37	28	32	32	34	25	25	28	36	40	43	45	46	47	48	49	49	29	22	27	27	25	19	34
30		19	19	20	9	0	0	0	0	2	5	17	29	38	18	10	15	13	12	13	24	26	24	22	12	14
31		27	28	29	31	30	27	20	19	23	28	32	34	36	37	38	36	33	31	28	26	26	26	26	25	29.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION											
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	1	0	3	33	50	51	51	49	50	50	46	44	40	32	32	33	36	35	35	36	37	36	36	34	
2	37	36	37	43	44	45	45	43	42	36	36	36	36	36	35	32	27	29	25	22	25	26	28	16	34	
3	9	12	20	17	23	38	37	31	30	32	32	31	25	26	25	20	16	14	12	11	12	10	8	6	21	
4	3	1	1	1	1	1	0	0	0	0	1	2	6	22	11	24	20	10	5	18	14	15	13	22	29	9
5	55	59	62	65	64	64	57	55	****	32	37	39	40	40	39	38	30	22	16	12	0	0	0	0	36	
6	0	0	0	0	15	19	15	9	15	18	26	25	29	27	25	23	20	19	18	17	21	17	20	11	16	
7	7	3	12	27	29	30	26	29	25	27	25	37	42	43	39	29	29	22	25	28	36	36	35	28	28	
8	32	31	32	32	34	35	30	32	28	29	29	27	23	31	34	34	36	36	22	26	30	27	34	28	31	
9	28	23	21	24	24	37	38	42	40	35	40	39	40	33	42	46	34	28	22	6	22	23	4	17	30	
10	14	16	18	24	28	32	26	26	25	****	30	31	37	28	23	21	19	16	7	0	0	0	4	4	19	
11	6	5	5	4	8	0	3	6	8	14	18	23	28	34	34	39	38	32	29	37	38	38	38	38	22	
12	44	40	40	39	32	32	34	38	40	36	42	42	40	51	56	57	55	54	53	46	46	42	45	43	44	
13	44	39	41	39	31	35	38	35	34	35	35	35	32	29	31	30	26	28	30	28	32	29	25	31	33	
14	29	36	38	37	39	41	38	37	37	42	42	40	37	41	38	36	36	36	30	19	33	29	28	28	35	
15	30	36	40	41	39	39	38	37	36	35	37	36	39	33	32	35	30	25	26	23	21	25	19	14	32	
16	12	14	30	26	22	27	27	36	39	39	35	39	39	34	34	36	34	34	26	20	14	9	6	6	27	
17	4	7	20	36	29	22	12	8	27	25	29	33	36	45	32	33	19	19	21	12	12	21	16	8	22	
18	0	7	14	19	31	26	12	12	34	****	42	44	47	45	46	40	19	32	44	42	40	39	33	31	30	
19	32	32	39	48	48	42	32	27	27	28	28	35	36	35	27	35	25	22	20	23	29	26	26	21	31	
20	26	31	38	37	38	30	19	9	6	13	19	29	35	34	37	30	14	10	22	22	25	28	31	32	26	
21	39	41	42	42	42	40	29	30	31	37	36	35	35	38	37	35	28	38	35	28	30	29	23	17	34	
22	28	17	21	24	25	22	25	19	28	28	34	37	38	38	39	33	39	37	30	10	5	5	7	9	25	
23	4	0	0	3	0	0	6	30	38	40	40	41	39	42	40	40	32	29	20	12	3	0	0	0	19	
24	0	1	3	6	6	6	2	****	11	19	28	32	36	40	41	30	21	18	14	16	13	7	11	14	16	
25	12	24	25	28	29	11	6	16	22	32	35	36	45	44	43	39	34	33	33	14	13	5	1	3	24	
26	0	1	0	9	10	12	10	11	23	38	36	37	38	40	41	38	28	28	26	12	6	6	3	12	19	
27	28	25	26	29	25	22	17	11	13	26	29	31	34	32	30	27	17	18	16	5	11	17	10	13	21	
28	23	23	25	26	29	26	20	11	15	23	27	28	27	30	36	35	30	35	31	17	12	13	19	11	24	
29	11	16	27	38	40	44	44	42	42	44	49	47	40	41	42	41	40	39	28	21	24	29	31	26	35	
30	24	21	19	21	30	32	36	39	38	38	40	42	42	43	44	42	42	40	38	25	26	26	28	33	34	
MEAN	19	20	23	26	28	29	26	27	28	30	33	35	36	36	36	34	29	28	26	20	21	20	20	19	27.0	

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	37	36	35	32	32	25	21	25	31	31	29	31	31	30	30	26	31	36	35	34	33	32	30	29	31
2	32	33	32	31	29	21	15	26	31	31	33	36	37	38	38	33	33	32	35	32	25	24	26	35	31
3	36	38	39	37	36	32	22	20	25	31	36	39	45	41	38	36	34	37	34	26	21	5	0	0	30
4	4	8	31	32	31	18	10	18	29	33	36	37	33	38	38	30	31	32	23	27	32	24	24	27	27
5	31	39	39	39	37	25	21	22	30	27	26	23	21	24	21	19	19	21	18	18	18	17	18	18	25
6	9	7	10	19	20	19	10	11	13	15	12	14	16	19	21	16	10	11	13	13	19	21	17	20	15
7	26	27	33	34	35	37	36	37	39	41	43	43	43	47	49	50	51	49	45	29	27	21	23	25	37
8	38	36	35	32	30	14	9	10	7	12	19	18	17	13	5	14	17	32	31	39	36	33	29	31	23
9	37	34	31	36	28	21	33	27	34	41	45	****	47	44	42	43	45	48	47	45	43	40	39	40	39
10	41	39	39	39	39	37	30	25	21	20	22	25	22	24	25	28	31	34	34	24	10	1	0	0	25
11	0	0	2	1	24	29	27	33	36	44	53	64	69	74	79	83	77	72	59	56	56	52	52	48	45
12	28	35	42	38	31	32	15	1	3	4	27	48	54	49	52	54	54	53	48	45	46	46	45	36	36
13	42	37	35	34	37	36	41	43	40	39	39	37	17	25	27	32	33	37	32	35	33	30	34	38	35
14	32	36	46	49	51	52	52	53	48	48	50	46	45	39	38	42	41	43	45	47	52	56	60	62	47
15	64	63	62	60	55	49	37	36	38	38	35	36	31	32	37	35	32	30	25	27	25	27	32	36	39
16	41	42	42	41	37	27	23	21	23	22	21	31	36	34	30	26	21	21	16	4	1	2	8	14	24
17	23	31	32	32	30	19	4	4	13	10	10	10	6	8	9	5	7	7	8	8	8	2	1	0	12
18	0	0	0	0	0	0	0	0	0	8	10	12	13	12	8	7	7	7	7	5	****	****	****	****	6
19	****	****	****	****	****	****	****	****	****	49	47	46	46	44	45	49	51	55	57	58	51	41	43	40	50
20	52	51	50	63	73	63	66	75	77	78	85	86	82	80	81	77	60	58	55	46	47	57	57	62	66
21	55	37	27	30	32	35	40	41	38	36	36	40	40	39	40	44	44	44	41	32	24	26	25	24	38
22	21	12	6	7	19	32	33	35	38	37	40	46	46	52	53	47	49	46	45	14	0	0	0	0	28
23	0	0	0	0	0	0	1	5	24	31	38	50	48	53	61	76	82	65	68	65	51	40	38	31	34
24	0	2	3	8	5	0	3	5	25	47	56	59	71	78	65	55	53	62	47	51	55	35	27	33	35
25	47	50	32	1	0	1	12	38	60	58	60	55	54	58	59	58	51	53	41	20	30	33	33	36	39
26	22	2	6	7	15	0	0	3	20	46	54	59	61	66	68	52	55	44	50	38	30	20	1	7	30
27	2	0	0	4	8	10	7	12	23	61	78	86	89	86	90	79	64	51	53	13	0	11	44	41	38
28	0	2	1	4	4	12	19	45	62	66	72	79	84	86	86	76	59	47	29	21	15	4	0	0	36
29	0	1	3	5	6	1	1	17	39	51	55	69	63	54	45	32	41	29	34	43	23	17	0	0	26
30	0	1	0	0	0	0	24	38	54	83	****	90	93	97	103	90	92	98	94	79	80	76	57	55	57
31	48	45	49	43	38	37	36	46	60	66	64	63	58	49	43	41	40	41	38	30	27	34	34	34	44
MEAN	26	25	25	25	26	23	22	26	33	39	40	45	45	46	46	44	43	42	39	33	30	28	27	28	33.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	30	27	25	21	15	11	8	11	17	31	45	54	58	65	64	72	79	80	83	78	66	62	60	39	46
2	48	55	61	58	50	38	35	43	49	49	46	41	45	43	42	41	34	33	35	33	20	11	13	30	40
3	25	26	22	27	32	28	22	26	39	42	43	46	46	48	47	47	45	47	45	36	21	23	26	25	35
4	16	11	0	1	7	3	12	28	49	56	61	61	61	61	61	61	64	73	64	58	60	61	60	57	44
5	51	54	56	55	51	42	38	32	33	34	32	34	32	36	37	38	38	39	40	37	24	20	16	5	36
6	0	0	0	0	0	0	6	31	40	40	50	56	58	61	61	58	58	58	54	49	40	39	47	54	36
7	54	24	27	46	19	36	39	28	35	11	30	31	36	38	38	28	15	26	32	5	1	5	18	21	27
8	35	48	45	41	44	40	43	45	48	53	51	45	43	38	25	20	18	15	15	14	15	23	22	23	34
9	23	38	43	41	36	29	24	29	38	42	46	51	56	59	54	47	42	40	36	30	21	19	10	9	36
10	4	2	0	0	0	0	3	21	34	43	50	58	71	78	80	84	87	94	87	83	67	60	72	79	48
11	88	82	72	63	57	51	51	57	70	80	84	87	92	93	90	96	98	99	101	92	84	87	78	68	80
12	61	58	56	53	50	45	47	52	61	70	77	65	65	67	56	41	45	48	34	29	25	22	24	24	49
13	23	22	21	21	13	***	9	12	14	17	22	26	32	34	35	34	37	34	25	19	25	28	32	24	24
14	34	34	31	31	31	23	21	24	33	31	33	31	34	38	37	34	37	37	34	30	25	26	22	35	31
15	34	35	14	0	4	26	34	36	46	50	46	42	47	48	45	46	47	44	40	36	17	11	18	6	32
16	9	14	22	11	5	5	3	4	8	14	31	27	44	54	49	36	36	16	32	25	23	19	22	31	23
17	42	46	46	43	39	17	30	37	39	51	31	47	46	60	73	87	83	80	73	71	71	66	63	59	54
18	61	56	54	52	41	34	32	42	49	57	60	60	53	51	52	52	54	51	47	38	29	27	18	21	45
19	24	26	16	8	8	5	2	11	19	24	43	45	45	48	48	48	51	51	47	35	17	9	0	0	26
20	0	0	0	3	0	0	0	0	23	45	65	72	81	85	85	78	80	98	98	81	71	43	50	29	45
21	47	63	30	28	10	30	2	33	51	58	59	73	73	72	70	51	37	31	30	21	14	5	4	22	38
22	29	32	32	32	20	19	26	37	40	42	43	46	47	48	48	51	55	59	54	47	39	38	34	37	40
23	43	44	44	41	36	19	13	16	24	29	28	28	32	28	18	21	23	19	17	10	6	4	1	1	23
24	0	0	0	1	1	2	4	15	20	25	35	40	44	55	61	67	66	70	72	66	52	50	49	43	35
25	44	31	12	1	0	3	4	43	63	65	71	87	103	114	122	111	106	108	111	109	97	77	100	92	70
26	87	79	70	56	52	44	39	31	35	40	57	65	68	69	62	61	66	70	71	60	53	49	41	37	57
27	40	33	38	39	39	36	36	42	61	71	79	82	77	76	73	71	71	67	55	50	39	39	41	43	54
28	43	42	41	38	35	22	21	21	23	26	29	30	31	32	32	31	33	36	36	32	21	17	22	38	31
29	40	44	44	44	40	30	28	27	38	42	45	47	49	46	44	40	43	44	40	28	23	26	23	31	38
30	40	44	42	36	27	8	9	11	14	19	20	22	24	23	16	15	16	11	5	10	13	7	10	10	19
MEAN	38	36	32	30	26	22	22	28	37	42	47	50	53	55	54	52	52	53	51	44	36	32	33	33	39.8

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER													MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	12	14	16	12	17	9	15	21	23	27	28	34	35	38	44	44	39	38	34	16	7	4	4	1	22	
2	1	0	0	2	3	5	18	26	28	32	46	43	44	47	50	64	53	37	33	32	28	25	27	29	28	
3	30	27	26	29	32	36	37	41	42	39	26	25	36	32	34	32	36	36	36	31	27	28	35	42	33	
4	40	41	42	42	43	38	16	24	26	28	30	37	47	48	46	39	44	50	45	32	18	9	2	0	32	
5	0	1	4	5	6	3	0	11	30	53	46	47	56	60	66	62	64	70	71	72	65	58	53	53	40	
6	51	50	47	47	46	40	46	56	67	70	74	79	82	92	95	84	89	103	137	129	105	90	84	88	77	
7	93	92	102	103	88	65	52	56	61	70	80	83	91	98	96	93	93	94	96	90	85	85	88	95	85	
8	87	76	62	55	54	49	48	54	57	56	59	57	48	45	43	42	40	38	31	31	31	22	20	20	47	
9	22	22	23	23	22	21	23	27	32	34	38	44	50	50	50	50	50	55	58	60	49	44	51	55	40	
10	58	59	61	43	31	20	18	21	24	26	28	29	32	28	25	21	22	25	22	15	20	18	20	22	29	
11	27	25	24	21	16	8	3	***	13	20	23	25	23	34	29	23	29	32	31	25	14	10	8	8	20	
12	6	5	26	10	0	0	15	29	36	38	45	46	51	55	58	55	55	58	59	48	34	30	40	42	35	
13	50	49	50	50	50	42	42	30	43	50	65	80	83	79	84	85	91	92	84	76	75	74	65	60	65	
14	51	41	43	51	47	39	9	9	24	30	49	57	55	56	54	45	49	50	39	34	22	10	4	0	36	
15	0	0	0	12	7	***	1	63	80	80	89	93	106	109	97	82	79	71	87	89	52	40	30	27	56	
16	29	28	27	23	21	20	19	21	20	31	34	29	28	34	38	33	30	28	18	11	4	4	16	15	23	
17	17	21	19	17	10	3	6	9	15	24	20	24	27	33	40	38	39	32	25	28	19	8	3	4	20	
18	0	0	0	0	0	0	0	20	43	55	69	82	88	92	95	98	95	97	85	75	69	70	82	86	54	
19	89	82	75	72	68	63	51	49	53	75	88	99	112	111	100	101	98	97	94	88	93	97	91	97	85	
20	107	98	101	104	95	82	70	68	78	97	104	102	97	104	112	107	111	118	113	105	97	87	83	77	97	
21	84	70	84	102	98	60	9	4	11	34	47	50	53	72	68	74	70	61	58	58	63	48	52	47	57	
22	35	50	44	47	56	50	56	60	64	68	78	86	94	94	90	95	96	100	95	78	108	96	99	94	76	
23	85	66	51	50	48	46	53	55	49	48	43	40	37	36	34	29	32	37	37	30	23	9	11	18	40	
24	19	27	25	24	11	5	3	5	11	18	30	40	46	51	53	34	59	45	54	25	11	4	0	5	25	
25	0	0	5	3	0	0	0	4	11	13	***	***	72	76	79	75	77	81	76	64	56	56	58	59	39	
26	62	61	63	56	46	38	31	31	39	40	44	46	***	50	52	49	52	50	48	28	***	***	***	***	47	
27	***	***	***	***	***	***	***	***	***	***	***	***	59	58	52	26	42	45	30	21	20	16	19	16	***	
28	16	19	18	18	17	12	4	10	14	16	13	21	21	28	23	35	35	40	35	28	15	16	13	10	20	
29	14	32	39	41	41	30	24	28	38	37	41	40	43	52	53	48	43	47	51	36	32	38	32	16	37	
30	10	14	16	17	18	9	14	16	18	19	23	22	26	34	38	35	30	35	35	27	13	13	9	11	21	
31	7	9	2	0	0	0	0	7	17	17	22	30	35	52	55	60	61	60	55	48	27	15	21	27	26	
MEAN	37	36	37	36	33	27	23	29	36	42	48	51	56	60	60	57	58	59	57	49	43	37	37	37	43.7	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	34	44	8	41	52	42	53	51	61	63	62	63	66	75	28	37	71	78	74	65	37	0	7	3	46
2	24	0	1	4	7	9	39	40	50	57	71	75	78	77	79	90	79	81	83	82	77	72	68	64	54
3	63	53	48	47	46	41	27	17	25	25	27	30	38	49	47	43	47	44	29	35	28	18	14	19	36
4	31	30	23	29	25	12	15	19	24	29	32	***	40	41	36	39	40	40	34	21	6	1	0	0	25
5	0	0	0	0	0	0	0	2	7	55	55	57	62	57	64	66	67	70	64	55	42	47	45	24	35
6	7	0	1	10	9	8	3	22	36	55	74	84	80	87	83	89	86	80	94	84	67	66	73	59	52
7	11	6	8	14	13	12	28	27	38	66	75	75	65	73	66	74	62	59	46	40	26	39	27	23	41
8	20	25	26	27	21	19	31	20	25	49	71	85	92	75	91	106	124	116	89	81	74	75	70	70	62
9	79	83	74	70	62	57	46	40	42	46	53	50	50	35	43	38	27	24	14	17	3	8	3	7	40
10	14	24	26	22	15	10	4	9	10	17	15	18	28	18	24	18	27	34	45	20	7	0	0	0	17
11	0	3	5	5	4	0	0	4	12	17	26	31	33	38	25	37	72	63	53	35	8	14	6	0	20
12	2	0	0	0	3	4	6	3	29	63	51	56	53	42	41	44	43	39	34	41	54	39	63	57	32
13	60	59	29	15	6	6	4	29	82	89	85	92	103	88	88	84	86	85	86	71	61	34	35	44	59
14	56	52	33	15	6	0	0	10	68	93	89	99	104	104	93	100	101	109	92	67	59	61	43	2	61
15	9	39	65	63	12	0	0	0	28	42	56	77	74	83	90	63	68	62	75	79	78	65	62	59	52
16	62	53	43	38	38	39	37	38	34	39	46	50	64	67	69	70	69	59	56	53	55	57	57	56	52
17	51	46	34	32	25	22	16	12	12	12	15	24	28	30	31	31	30	29	21	5	5	3	1	1	22
18	0	0	0	0	0	0	0	1	4	13	28	37	44	59	60	73	75	85	78	76	45	44	41	34	33
19	47	51	50	48	44	36	34	35	33	35	45	54	68	77	78	67	51	40	26	23	25	26	23	22	43
20	19	19	19	18	17	13	13	15	12	12	16	18	23	25	28	25	28	29	22	10	5	2	3	0	16
21	7	7	13	7	0	0	0	2	4	8	17	22	28	30	35	38	25	33	48	40	13	1	10	18	17
22	19	14	0	0	0	0	0	0	5	56	61	68	69	69	71	68	67	70	62	45	30	9	13	19	34
23	25	28	1	4	19	12	1	0	2	29	71	87	103	96	91	92	96	103	79	73	79	78	78	80	55
24	81	85	96	91	80	59	44	45	57	64	62	52	30	32	35	37	51	50	42	27	37	40	3	1	50
25	0	0	0	1	4	4	2	3	5	7	7	8	11	16	19	26	26	22	22	20	1	0	0	0	9
26	1	4	10	6	9	5	4	5	9	16	22	28	42	40	38	36	34	35	31	9	8	21	24	22	19
27	14	16	5	10	15	17	14	15	18	23	26	31	31	29	27	29	29	29	20	18	18	21	24	26	21
28	23	20	20	5	8	17	30	40	36	38	39	46	55	58	63	63	63	54	46	37	37	39	39	37	37
29	41	38	37	36	36	22	19	19	26	30	31	33	31	33	29	30	31	27	14	8	3	8	10	11	25
30	11	8	0	0	0	0	0	0	13	25	32	38	***	42	35	32	21	19	5	0	0	1	2	1	12
31	3	11	11	12	5	1	0	1	3	10	12	18	19	20	21	22	27	16	6	3	0	1	3	9	9
MEAN	26	26	22	22	19	15	15	17	26	38	44	50	53	54	52	54	56	55	48	40	32	29	27	25	35.1

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER												MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	10	16	17	13	4	0	2	5	17	23	20	35	39	40	35	31	31	13	1	16	29	27	37	19
2	41	43	15	16	38	43	40	40	42	47	56	69	80	83	86	85	80	71	61	59	54	64	68	71	56
3	71	63	59	59	55	42	43	44	46	56	60	55	53	51	47	40	32	26	20	18	13	11	11	12	41
4	10	14	14	13	****	11	7	5	9	18	24	28	34	37	38	38	37	34	27	15	11	22	24	26	22
5	36	37	36	35	31	7	3	16	23	30	32	40	28	25	21	35	38	40	26	1	23	49	62	67	31
6	70	69	71	63	61	48	43	52	80	86	75	75	66	76	69	68	64	60	48	45	63	72	68	65	65
7	95	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
8																									
9																									
10																									



POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - WC NO 26029													TRAILER EDNA/FREDERICK ST KITCHENER												
MONTH - DEC 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
5	19	17	16	13	13	11	9	6	7	12	14	14	12	12	6	4	2	2	2	2	2	2	2	2	9
6	4	3	1	1	0	0	0	0	2	7	11	14	15	17	17	16	8	9	10	12	15	16	13	11	8
7	21	20	15	13	14	10	3	3	1	3	3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
8	0	0	0	0	0	0	0	0	0	0	0	3	12	16	13	10	8	6	7	10	10	10	14	17	22
9	21	21	25	30	32	32	27	25	25	23	26	28	28	27	26	23	21	23	23	23	24	24	21	25	7
10	24	23	24	26	28	29	29	30	30	33	34	34	34	34	34	33	29	27	25	24	22	16	17	16	27
11	18	17	16	16	16	16	5	0	7	12	17	21	24	23	20	10	2	0	0	0	0	2	2	3	10
12	2	0	2	6	11	11	10	8	11	16	17	17	18	18	19	17	13	15	18	17	14	12	9	6	12
13	13	17	18	18	20	21	21	20	17	16	12	16	20	22	23	20	16	16	19	24	31	31	34	35	21
14	38	37	37	36	36	35	26	16	19	23	28	27	23	22	21	15	10	15	17	18	17	17	17	24	21
15	16	12	12	13	14	13	11	9	9	11	16	19	19	20	19	15	9	3	3	4	5	3	2	0	11
16	3	3	3	2	1	1	1	1	3	7	9	9	12	12	11	10	5	0	0	0	2	2	2	5	4
17	3	12	36	36	35	36	36	35	35	35	36	35	37	37	36	35	32	31	31	32	32	31	27	***	32
18	34	36	36	37	35	32	25	16	3	10	14	24	29	23	19	17	17	8	16	19	5	10	13	11	20
19	18	26	32	34	34	21	8	4	8	16	19	23	22	24	13	19	6	3	3	9	4	9	6	17	16
20	24	20	9	1	1	3	5	2	5	8	10	16	16	12	10	9	7	8	5	3	0	0	0	0	7
21	0	0	0	2	8	15	26	27	32	29	31	29	35	29	31	27	19	23	20	21	17	18	15	13	19
22	18	19	16	20	16	14	10	8	13	16	18	15	17	20	17	13	10	7	12	15	25	27	29	32	17
23	32	29	29	30	25	21	18	16	17	22	25	23	28	34	30	23	18	2	1	1	1	1	1	1	18
24	0	0	0	0	5	3	2	12	10	13	11	11	10	9	10	4	4	5	4	3	0	0	2	4	5
25	10	8	5	0	0	2	3	4	9	23	27	30	31	33	34	34	33	35	35	32	33	33	31	34	22
26	37	37	34	31	34	31	25	23	24	29	31	34	36	36	30	32	22	23	22	24	26	26	28	28	29
27	29	34	34	34	35	31	28	24	20	21	23	28	31	30	29	29	25	27	28	26	24	26	25	22	28
28	23	28	27	22	18	6	16	6	4	15	17	27	28	15	10	14	7	0	0	0	0	0	0	0	12
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
30	25	27	26	17	13	14	10	2	4	5	9	3	5	0	0	0	0	0	0	0	0	0	0	0	7
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	16	17	17	16	16	15	13	11	12	15	17	20	21	20	19	16	13	11	12	13	12	13	13	13	15.0

PERCENTAGE OF DATA VALID - 88.2

PERCENTAGE OF DATA INVALID - 11.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	16	19.9	34	38
FEB	28	23.7	40	61
MAR	24	29.0	45	61
APR	30	27.0	44	65
MAY	31	33.7	66	103
JUN	30	39.8	80	122
JUL	30	43.7	97	137
AUG	31	35.1	62	124
SEP	25	24.2	74	112
OCT	25	19.5	45	65
NOV	26	13.0	39	74
DEC	27	15.0	32	38
YEAR	323	27.6	97	137

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	106	96	144	89	0	0	0	0	435
FEB	137	125	166	235	9	0	0	0	672
MAR	81	66	139	281	22	0	0	0	589
APR	101	105	191	303	16	0	0	0	716
MAY	128	64	107	291	118	21	1	0	730
JUN	77	65	109	265	161	33	9	0	719
JUL	88	81	111	191	143	84	25	0	723
AUG	181	91	106	151	158	45	10	0	742
SEP	232	111	63	103	83	8	4	0	604
OCT	192	155	148	91	23	0	0	0	609
NOV	334	164	101	28	23	0	0	0	650
DEC	259	183	130	84	0	0	0	0	656
YEAR	1916	1306	1515	2112	756	191	49	0	7845

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
89.6	0	0.8	13.4	24.8	35.2	55.3	70.5	86.8	95.7	137	27.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	17	13	19	24	25	26	27	27	25	25	23	25	24	22	18	14	10	7	4	15	19	19	20	20
2	23	19	20	25	28	28	21	19	18	21	25	26	30	26	24	19	22	22	21	20	22	22	22	21	23
3	21	20	18	18	18	18	17	14	14	17	21	23	26	24	24	19	17	14	14	15	16	16	16	17	18
4	21	18	10	11	14	12	7	8	14	16	-	-	11	11	11	15	13	5	11	13	13	12	11	11	12
5	10	7	8	8	5	4	1	0	0	0	2	6	8	7	3	1	1	0	0	0	0	0	0	0	3
6	0	0	0	10	10	12	8	8	8	11	15	16	19	17	15	12	10	9	10	12	15	16	16	11	11
7	14	12	12	11	10	9	6	5	4	3	2	2	3	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	6
8	0	0	1	2	8	8	9	8	10	12	12	12	10	3	2	0	0	0	0	0	0	0	0	5	5
9	10	13	16	17	18	19	19	18	16	14	19	17	20	22	23	22	20	20	22	24	24	22	21	21	19
10	22	21	18	10	16	18	27	28	27	27	27	27	28	28	27	27	26	26	27	28	27	28	28	27	25
11	24	22	21	23	25	23	21	18	18	19	19	20	20	19	19	18	14	9	12	9	9	6	6	7	17
12	11	13	11	11	10	8	5	4	5	.....	8	12	15	12	10	5	1	0	0	0	0	0	0	0	8
13	0	0	0	0	0	0	0	0	1	3	5	7	8	9	8	4	1	1	3	7	14	19	19	18	5
14	20	22	24	27	27	27	26	24	22	22	23	23	23	24	24	23	23	22	23	23	22	22	20	18	23
15	14	12	13	16	13	14	14	16	21	22	23	24	25	25	24	25	27	27	27	27	24	21	21	20	21
16	23	22	23	23	23	22	20	17	14	16	18	18	15	15	15	12	11	6	7	8	7	7	5	7	15
17	5	1	0	1	1	1	0	0	0	.....	10	11	11	.....	.....	26	36	37	37	38	40	41	42	41	18
18	43	43	40	44	46	48	48	41	27	40	42	46	40	38	28	24	25	5	0	0	0	0	2	6	2
19	5	5	0	1	6	7	0	1	11	25	29	23	25	12	14	13	9	7	17	12	14	14	15	20	12
20	29	30	30	31	30	28	26	22	17	18	20	20	22	22	23	24	22	22	22	24	24	20	19	22	24
21	24	26	25	25	26	22	20	16	16	17	19	22	21	23	19	20	19	17	16	14	17	15	12	19	19
22	14	15	17	20	21	27	27	23	18	16	17	18	21	19	19	13	11	16	26	26	26	25	21	11	19
23	17	14	11	12	12	11	8	12	12	10	10	15	20	23	23	17	13	10	10	9	6	7	6	3	12
24	1	1	1	2	2	1	0	0	1	5	10	14	19	19	20	17	8	6	9	6	5	6	7	6	7
25	3	6	9	7	6	4	1	1	0	.....	0	0	0	1	2	1	2	0	0	0	0	2	4	3	2
26	5	6	7	6	9	9	7	1	7	13	15	16	19	20	18	20	21	20	20	21	21	22	22	15	15
27	25	25	25	26	26	27	27	26	24	25	25	26	27	27	27	24	23	21	22	22	21	20	20	18	24
28	20	20	20	18	20	19	14	9	11	15	18	21	26	20	22	19	19	19	8	12	15	16	21	14	17
29	18	17	22	17	19	20	18	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	13	14	15	21	18	19	18	7	6	9	12	16	20	23	24	23	19	18	20	22	25	25	23	23	18
31	22	22	19	21	25	23	13	11	11	14	16	16	19	18	18	18	19	19	11	14	21	23	24	25	18
MEAN	15	15	14	16	17	17	15	13	13	16	17	18	19	19	18	16	15	13	14	14	15	16	15	15	15.6

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT		UNITS - PARTS/BILLION																							
STATION - WC NO 27037		NORTH/GENEVA STREET, ST. CATHARINES												MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	26	23	20	19	19	17	14	12	11	10	15	23	27	****	30	28	25	22	21	18	16	13	14	12	19
2	16	16	16	18	14	14	14	10	16	20	23	27	27	27	28	24	23	21	17	15	20	17	19	21	19
3	23	17	20	27	25	19	13	6	9	19	17	18	17	17	15	17	13	7	6	5	5	6	9	11	14
4	11	11	10	4	4	2	4	1	5	17	21	19	15	16	16	12	6	0	0	0	0	0	0	0	7
5	0	0	0	0	3	0	0	0	5	10	15	22	27	26	27	24	26	24	20	23	21	21	19	14	14
6	26	26	28	27	27	24	22	18	18	21	22	22	22	23	23	21	23	23	23	20	23	21	21	19	14
7	28	25	25	26	28	27	21	18	18	19	****	19	20	19	18	14	9	4	4	3	8	9	8	16	16
8	17	22	24	23	26	25	21	13	14	17	18	15	21	22	22	19	8	4	0	0	0	0	0	14	14
9	0	0	0	0	0	0	0	0	0	0	0	18	19	17	20	18	20	21	13	12	13	11	7	6	9
10	7	5	9	10	9	12	2	4	7	13	21	25	30	30	35	28	28	29	36	34	42	40	35	30	22
11	24	18	17	21	16	14	10	11	9	13	17	24	30	32	32	39	34	34	31	26	28	31	31	31	24
12	30	30	29	29	29	29	29	29	28	27	30	30	29	29	28	28	28	26	25	26	27	27	27	27	28
13	27	27	28	26	23	22	12	4	14	18	20	21	21	21	22	****	20	19	28	30	29	30	30	31	23
14	34	31	34	34	32	30	22	8	19	29	30	32	31	32	36	26	20	9	1	0	0	0	4	4	21
15	0	0	0	4	6	8	9	5	10	24	32	36	45	45	44	56	47	39	17	0	0	0	12	18	18
16	13	11	10	5	12	15	9	8	8	19	25	31	34	38	42	38	38	37	34	18	17	14	16	20	21
17	31	34	40	38	31	34	32	22	19	24	30	36	42	36	47	45	41	34	37	32	14	13	28	20	32
18	21	23	38	41	41	42	37	25	23	28	36	40	43	45	46	44	48	44	30	32	17	18	25	8	33
19	7	6	3	7	6	6	7	11	23	27	31	37	39	38	39	43	45	40	29	20	22	31	19	17	30
20	22	37	36	37	29	29	10	9	11	18	35	35	38	44	45	47	51	42	34	31	18	6	28	17	23
21	13	15	16	14	3	0	11	11	18	11	27	35	36	32	****	36	34	36	58	53	50	22	22	20	25
22	17	24	32	18	8	11	6	8	12	20	25	26	35	32	32	34	33	23	21	16	24	28	31	35	23
23	34	34	32	35	29	21	14	11	14	22	32	41	50	53	57	55	46	58	54	55	56	56	54	40	40
24	55	54	47	34	31	27	24	22	20	25	32	43	52	51	42	43	41	41	44	39	39	41	29	21	37
25	26	25	22	20	14	17	21	18	8	11	19	28	36	31	26	28	29	26	13	7	5	6	6	3	19
26	0	0	0	0	2	6	8	13	19	26	31	34	35	44	44	42	35	29	29	31	26	22	30	34	23
27	18	18	22	26	27	20	20	18	14	20	26	30	36	39	43	44	35	31	31	26	24	40	43	48	29
28	43	34	32	39	38	36	13	10	13	29	42	45	50	46	56	54	31	27	18	17	15	11	7	1	29
MEAN	20	20	21	21	19	18	14	12	14	19	26	29	32	33	34	34	30	26	24	21	20	19	21	19	22.7

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	2	7	12	14	9	26	34	48	52	61	50	****	42	35	27	10	4	26	36	29	26	24
2	9	21	26	26	27	22	10	13	20	32	41	44	49	52	56	58	49	48	35	31	25	19	4	0	30
3	8	18	0	0	4	15	29	18	20	24	34	34	35	36	40	40	30	23	35	35	27	23	26	35	25
4	32	36	9	12	33	35	51	37	35	37	38	40	36	38	37	35	30	28	23	24	27	31	30	29	32
5	29	19	30	34	35	32	23	33	39	40	40	40	46	48	50	53	50	52	52	53	46	44	57	57	42
6	58	50	51	48	44	36	21	24	29	37	38	50	62	68	65	56	60	63	56	50	45	49	10	16	45
7	9	10	5	5	3	5	0	3	12	23	35	40	40	41	39	35	34	23	11	7	4	0	0	16	42
8	0	0	0	1	0	0	0	6	10	23	37	39	43	****	47	46	42	27	11	7	7	7	6	0	16
9	0	0	0	0	0	0	0	0	5	14	31	46	63	43	29	35	50	64	60	52	48	38	45	49	28
10	71	65	66	69	54	49	38	38	20	32	43	52	74	71	63	76	74	58	30	11	4	2	2	3	44
11	14	39	98	125	120	109	88	66	49	46	66	75	89	89	81	91	72	37	5	13	33	31	39	21	62
12	3	0	0	7	50	102	109	96	102	87	81	98	85	89	82	47	41	29	4	0	0	13	22	45	45
13	30	18	20	12	12	22	22	21	20	27	27	48	45	52	52	46	51	53	27	27	32	4	1	0	28
14	0	0	40	70	72	71	60	52	61	48	****	48	43	32	20	28	40	42	46	56	62	52	54	46	46
15	57	52	52	55	52	39	29	31	27	32	35	39	36	41	40	38	20	25	30	31	25	26	31	26	36
16	23	29	30	29	9	16	9	12	21	32	38	39	41	44	45	39	33	28	24	19	32	32	23	18	28
17	11	27	29	34	26	25	9	19	32	40	43	46	43	44	47	38	35	33	33	35	26	42	44	36	33
18	31	9	9	23	34	28	22	31	39	42	45	45	45	57	57	59	53	58	57	52	41	39	35	31	39
19	34	40	41	32	41	38	37	41	48	51	54	51	49	41	46	44	39	43	40	38	42	40	37	39	42
20	43	38	42	38	21	5	0	13	30	31	33	44	46	49	52	42	34	27	27	24	4	0	0	32	28
21	48	47	46	48	47	41	33	28	25	22	26	24	18	17	14	14	20	28	37	36	34	38	41	40	32
22	43	43	45	49	50	50	45	40	41	42	37	34	31	21	25	23	19	20	21	23	10	12	23	17	32
23	16	16	18	24	28	25	14	24	27	****	35	41	44	43	44	44	45	34	31	22	6	5	9	17	27
24	35	38	37	39	39	38	36	37	39	41	41	40	39	35	38	41	42	40	36	28	30	31	36	39	37
25	40	39	37	33	17	20	29	39	42	40	38	36	38	38	38	31	29	28	28	29	30	30	30	30	32
26	28	28	32	32	33	34	30	27	27	27	22	23	22	20	20	19	16	16	14	15	12	6	8	3	21
27	3	2	0	4	10	8	2	4	10	16	15	5	7	8	10	11	12	7	14	10	18	19	22	25	10
28	38	44	43	40	34	26	11	26	26	26	28	29	30	25	24	21	20	18	18	15	10	7	7	16	24
29	20	17	26	26	29	28	22	27	21	32	32	36	37	34	32	27	26	21	20	18	17	11	9	10	24
30	16	18	18	18	17	13	8	11	19	25	32	3	36	43	44	44	40	39	36	26	27	23	21	27	26
31	39	34	39	38	32	25	13	18	21	24	29	40	50	50	36	27	24	17	12	0	12	6	4	0	25
MEAN	25	26	29	31	32	31	26	27	30	34	38	42	45	43	41	40	38	34	28	26	24	23	23	23	31.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	30	43	53	59	62	61	61	58	56	60	54	50	38	41	29	30	29	28	31	38	38	37	35	43
2	38	40	42	44	44	45	43	45	45	45	46	46	48	48	49	51	46	44	33	20	19	24	15	18	39
3	12	14	31	32	36	32	19	26	26	27	31	30	24	23	21	16	11	14	7	5	0	0	0	0	18
4	0	0	5	9	6	0	0	3	3	4	----	9	6	13	11	7	2	0	0	0	0	0	0	11	4
5	14	20	29	30	37	31	29	18	21	32	31	30	34	33	35	35	30	21	20	19	14	2	2	0	24
6	0	0	0	0	0	0	0	5	16	18	25	23	26	31	25	15	8	18	14	11	8	2	21	11	12
7	4	3	0	10	8	13	14	21	25	29	27	25	24	28	34	30	21	20	21	18	24	23	27	29	20
8	30	27	28	29	29	32	27	25	22	19	21	30	20	26	32	30	30	29	25	21	29	10	20	21	26
9	16	17	24	38	41	41	43	47	47	47	47	44	43	44	48	51	49	43	31	10	12	21	23	7	35
10	8	17	28	31	31	31	21	23	21	27	27	23	36	25	29	23	18	7	10	12	17	20	4	4	21
11	32	26	25	14	21	24	7	0	0	0	2	6	3	----	18	22	18	20	22	25	30	16	22	25	16
12	33	34	30	31	30	29	22	24	30	28	20	26	21	32	36	41	20	34	32	32	45	25	32	39	30
13	30	20	32	32	29	27	16	25	24	29	27	28	24	22	----	16	18	17	17	13	20	22	17	12	22
14	14	27	25	29	29	29	29	25	23	29	30	27	26	26	25	22	17	16	12	10	13	15	20	22	23
15	29	23	34	31	25	24	26	28	28	27	26	28	28	23	23	13	17	17	18	12	14	10	18	16	22
16	17	13	10	9	8	13	10	21	23	26	27	32	34	34	25	31	32	27	23	14	20	4	2	3	19
17	5	5	6	3	0	0	3	10	25	28	28	30	35	38	37	31	33	37	30	9	17	25	12	3	19
18	0	4	0	0	0	0	0	10	23	----	----	38	47	45	42	26	28	37	32	29	25	18	7	6	19
19	23	42	39	44	32	33	22	6	4	39	43	44	44	42	32	5	6	18	19	19	18	16	15	16	26
20	17	25	32	32	35	32	27	21	23	18	11	12	7	13	14	10	11	19	20	21	19	19	24	23	20
21	22	23	29	32	33	31	24	23	21	23	16	17	----	28	31	32	29	26	15	4	16	11	19	11	22
22	14	5	10	17	19	17	22	27	28	32	34	32	31	36	42	44	45	41	36	19	15	7	0	0	24
23	0	0	0	0	0	3	7	21	24	28	36	39	39	42	42	41	45	44	23	3	0	0	0	0	18
24	0	0	0	0	0	2	5	7	9	15	23	29	37	41	49	54	45	46	40	10	29	8	0	0	19
25	0	0	0	0	0	0	6	20	27	32	37	39	43	45	43	38	35	27	25	24	22	4	12	12	20
26	8	10	3	12	14	9	12	17	22	34	39	43	45	51	48	52	44	30	43	26	21	20	0	1	25
27	0	0	0	0	3	5	11	14	23	29	30	32	32	42	----	40	40	35	27	13	14	10	8	11	18
28	6	7	17	13	11	9	13	18	20	20	27	35	42	47	48	40	39	36	19	5	3	4	6	1	20
29	1	0	2	2	6	14	17	27	26	29	35	42	46	44	41	36	34	31	28	27	23	16	18	24	
30	20	26	34	34	34	31	32	34	34	34	35	36	38	40	41	40	40	38	34	26	21	22	23	26	32
MEAN	13	15	19	20	21	21	19	22	24	28	30	31	32	34	34	31	28	27	23	16	19	14	13	13	22.7

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT										UNITS - PARTS/BILLION																
	STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES										MONTH - MAY 78																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	32	34	29	31	31	28	23	15	13	16	21	25	27	27	28	27	27	26	21	18	13	16	16	27	24		
2	27	26	24	20	22	17	16	21	24	24	27	31	31	32	36	35	34	35	26	18	13	10	8	9	24		
3	6	9	11	13	10	5	6	17	22	23	26	30	40	42	43	43	45	39	36	31	27	13	1	0	22		
4	0	6	16	20	21	5	14	22	25	27	28	30	31	30	29	28	27	28	34	34	31	30	28	29	24		
5	36	33	30	24	23	21	18	18	16	22	22	20	19	22	22	22	19	18	17	13	14	13	11	5	20		
6	7	2	7	14	19	19	18	15	10	12	14	14	13	14	12	8	11	8	4	5	7	4	2	1	10		
7	0	2	3	7	9	8	15	25	32	34	35	40	51	49	47	51	51	47	37	24	22	21	6	7	26		
8	11	18	24	29	23	16	13	9	21	19	23	32	26	34	36	35	30	30	38	41	42	41	32	29	27		
9	29	27	26	31	31	25	23	22	31	41	47	49	46	42	40	42	42	41	38	30	29	28	24	28	34		
10	30	32	32	31	29	22	17	13	21	25	23	22	18	16	17	19	18	17	19	11	6	6	0	4	19		
11	9	12	16	14	18	6	9	13	23	31	46	48	55	59	61	65	75	78	68	38	39	54	53	48	39		
12	26	28	28	23	25	18	17	3	----	----	6	23	33	34	36	35	35	34	31	8	5	6	18	21	22		
13	20	19	17	25	38	30	31	32	40	41	30	29	24	28	27	28	31	34	31	17	20	23	34	28			
14	37	38	34	37	11	10	9	20	15	10	16	18	24	26	24	25	37	39	26	27	35	43	45	52	27		
15	52	52	51	50	46	38	32	26	30	31	31	32	31	34	34	34	31	32	33	31	25	19	16	14	33		
16	20	16	18	22	21	11	5	5	10	13	24	----	----	----	----	----	----	----	----	----	----	----	----	----	----		
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	13	20	26	29	14	1	1	2	2	8	-----		
18	14	16	17	12	5	1	1	4	13	21	30	34	18	0	0	15	38	20	22	34	31	31	26	19	18		
19	22	21	22	32	28	19	10	11	16	35	48	----	73	83	89	88	52	35	27	18	6	43	61	79	40		
20	67	71	67	66	60	40	40	45	48	54	65	73	78	78	82	74	76	51	24	30	36	42	43	46	57		
21	43	38	41	20	19	19	20	19	24	30	34	38	41	43	47	49	48	43	37	28	23	23	21	17	32		
22	17	13	9	8	6	5	10	16	18	29	36	43	46	46	48	46	49	48	41	10	4	1	0	0	23		
23	0	0	0	0	0	0	1	4	10	16	24	36	----	53	36	46	56	80	76	32	17	12	20	28	24		
24	11	0	0	0	0	0	0	7	27	35	45	53	59	63	61	65	64	61	45	6	8	0	0	1	25		
25	1	1	5	20	18	4	8	21	41	53	66	75	83	88	106	102	87	81	70	55	43	21	4	11	44		
26	16	27	41	43	23	13	13	17	34	60	65	64	66	82	89	95	96	94	60	43	14	7	11	30	46		
27	49	42	40	46	52	22	17	31	45	54	57	83	124	126	127	148	101	90	72	56	21	42	77	87			
28	83	69	42	29	27	19	22	27	38	45	50	52	63	65	55	53	75	73	60	49	22	24	28	50	47		
29	51	30	19	9	6	8	9	11	21	29	38	----	56	52	56	45	51	66	60	54	30	18	20	22	33		
30	27	4	48	64	53	26	12	15	21	34	53	69	77	82	84	69	77	78	74	53	58	38	55	57	51		
31	51	46	46	40	37	23	22	24	28	35	43	54	66	64	54	43	41	35	28	26	22	18	18	20	37		
MEAN	26	24	25	26	24	16	15	18	25	31	36	41	47	49	48	48	48	46	39	28	22	21	22	26	31.3		

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	28	25	22	13	5	6	10	13	17	22	27	41	41	41	36	41	46	49	42	33	23	45	29	
2	39	41	60	59	52	49	44	38	40	47	49	53	***	-	36	32	26	28	25	19	15	10	5	7	35
3	13	20	17	18	19	17	19	20	21	22	32	35	43	48	50	50	49	43	35	33	30	13	12	9	28
4	1	0	5	8	10	8	12	21	23	28	37	43	48	51	48	53	46	41	47	53	59	60	64	54	34
5	47	46	44	39	30	24	29	27	27	28	29	29	28	27	27	27	30	28	22	6	1	0	0	26	
6	1	1	2	5	6	3	8	16	23	26	31	34	40	43	42	36	40	40	48	40	13	15	16	17	23
7	15	24	27	28	30	19	22	15	18	19	18	18	25	24	19	7	5	19	5	6	7	5	2	0	16
8	1	9	12	28	34	28	19	13	22	37	38	44	48	58	56	60	73	45	12	8	4	5	3	3	27
9	2	13	12	15	12	5	12	16	21	26	30	34	37	38	37	35	41	40	31	27	25	25	7	1	23
10	0	0	0	0	0	1	5	9	13	17	23	49	52	54	55	56	55	52	51	41	45	42	38	43	29
11	39	42	53	54	50	50	50	50	52	61	71	79	78	82	86	85	88	93	92	69	70	68	70	65	67
12	58	57	56	52	48	37	34	38	48	53	***	79	85	92	87	74	46	30	33	36	41	35	16	9	50
13	12	10	12	12	11	9	7	7	7	8	7	8	15	17	18	21	20	22	22	21	23	20	18	11	14
14	11	20	25	23	21	20	16	17	19	24	31	34	33	31	29	27	22	24	28	25	19	12	4	3	22
15	5	13	16	14	13	10	11	16	21	32	40	45	53	52	49	42	50	43	30	22	19	12	9	13	26
16	10	11	18	8	5	1	2	9	16	28	36	41	43	45	49	47	32	19	28	15	1	0	6	28	21
17	49	54	55	56	56	48	44	43	41	38	50	64	62	58	60	70	65	61	59	64	72	60	57	50	56
18	48	52	54	55	53	47	43	44	50	53	59	61	65	68	67	57	58	58	50	41	36	28	23	25	50
19	20	17	20	20	14	8	5	5	***	***	***	36	43	50	64	47	43	44	42	32	29	13	2	5	27
20	0	0	0	0	3	4	14	16	35	44	51	70	77	75	82	88	84	76	62	51	28	15	15	34	39
21	52	39	5	16	12	2	15	9	4	8	9	31	48	55	62	78	82	65	52	36	27	15	5	0	30
22	3	4	5	8	11	11	10	14	21	23	31	38	39	38	35	36	43	38	32	35	45	52	51	50	28
23	49	43	36	22	23	18	15	16	16	16	24	31	34	35	36	38	38	37	30	17	2	0	0	0	24
24	0	0	0	0	0	0	6	14	16	18	29	39	41	41	41	49	56	54	52	36	5	2	11	26	22
25	13	18	16	22	29	25	22	29	39	51	65	68	69	94	109	110	115	109	102	91	77	75	71	64	62
26	67	62	63	61	53	49	30	31	39	35	42	53	57	59	63	64	61	59	52	46	32	37	37	40	50
27	40	37	34	30	27	17	12	22	37	55	68	86	95	84	63	73	71	98	90	63	49	35	31	38	52
28	37	33	36	30	17	16	12	14	21	28	38	42	42	39	41	38	36	32	22	18	13	4	7	9	26
29	6	14	34	52	52	36	19	17	30	44	52	56	52	49	46	45	44	48	39	30	13	11	8	4	33
30	3	4	2	4	15	23	15	18	20	24	32	47	54	55	56	59	54	48	40	36	21	12	5	9	27
MEAN	22	24	25	25	24	20	19	20	26	31	37	46	50	52	52	52	50	48	43	36	29	24	21	22	33.1

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION														
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES												MONTH - JUL 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	3	0	0	0	4	12	20	26	30	33	31	32	31	29	33	31	34	17	9	1	1	1	1	16	
2	1	1	1	1	4	4	5	19	24	25	45	52	51	59	50	45	38	30	26	21	14	10	14	18	23	
3	14	12	23	18	24	24	25	27	24	23	26	36	31	33	31	31	27	22	17	17	18	19	16	20	23	
4	21	30	35	30	28	21	22	23	24	31	29	36	39	38	35	39	40	36	22	16	5	1	0	26	26	
5	0	0	2	7	5	3	4	12	35	47	43	60	63	73	76	84	62	59	45	26	17	23	31	37	34	
6	37	40	44	38	35	17	25	32	40	55	61	72	***	81	88	91	93	93	98	89	63	59	61	75	60	
7	74	77	70	65	55	45	34	34	43	54	71	74	84	88	88	89	89	91	93	82	76	68	77	90	71	
8	81	77	72	65	60	51	44	35	36	44	53	68	64	59	57	64	66	49	43	32	23	18	17	16	50	
9	15	14	13	12	10	10	9	10	17	16	24	31	40	45	39	41	43	44	39	26	24	34	43	51	27	
10	50	51	55	58	52	41	27	18	17	20	24	30	33	33	32	30	27	26	19	19	17	15	12	13	30	
11	14	6	3	0	0	0	3	8	11	15	24	27	24	27	34	34	35	35	37	21	4	0	0	0	15	
12	0	2	2	9	7	4	5	10	18	22	26	31	33	41	38	38	45	45	44	43	18	12	4	14	21	
13	17	33	23	20	20	14	16	24	37	44	49	56	63	72	85	92	88	81	85	83	79	72	75	71	54	
14	65	57	54	44	23	14	9	29	34	45	49	52	46	49	69	83	83	68	66	81	73	66	53	38	52	
15	37	16	10	9	5	6	13	31	46	59	75	88	91	104	90	80	80	88	74	71	69	60	52	43	54	
16	32	27	26	25	23	20	18	19	21	24	29	37	43	46	51	54	56	52	47	35	18	16	10	5	31	
17	2	2	3	6	8	4	6	10	14	16	26	37	43	61	57	47	51	55	59	47	34	25	25	35	28	
18	33	30	27	21	21	10	8	9	20	36	39	50	53	57	60	61	59	55	48	33	19	24	33	35	35	
19	41	32	39	51	61	55	43	38	45	54	65	86	96	103	106	106	104	88	74	56	54	78	74	74	68	
20	71	86	82	84	85	70	60	54	62	***	88	97	99	114	120	97	84	88	71	64	73	91	90	94	84	
21	87	90	77	70	74	53	46	53	67	69	38	43	68	82	85	75	58	64	66	75	76	61	38	59	66	
22	52	56	52	55	49	41	36	38	62	64	62	69	88	93	90	90	111	110	104	105	99	99	80	71	74	
23	75	73	61	50	46	44	40	43	51	54	56	49	48	44	45	36	23	20	19	16	16	16	12	8	39	
24	10	10	10	4	1	2	3	5	11	22	30	39	44	37	40	27	28	26	26	19	6	2	6	***	18	
25	0	0	0	10	7	3	8	14	27	20	26	49	62	68	55	53	60	70	65	60	60	68	75	75	39	
26	75	58	45	37	35	28	26	26	35	43	55	62	68	71	85	74	82	91	94	93	64	35	27	45	56	
27	40	53	47	48	46	35	36	29	27	19	41	52	55	66	65	39	56	25	36	31	19	19	11	15	38	
28	15	13	9	4	3	3	3	5	7	11	***	***	***	31	32	35	34	37	38	23	15	14	22	26	22	18
29	13	14	17	17	17	13	2	13	27	34	40	43	38	57	70	70	63	49	27	34	19	27	29	32	32	
30	25	22	21	19	16	13	12	10	11	12	13	17	24	30	30	31	30	28	20	12	10	3	4	3	17	
31	7	6	8	6	4	0	2	8	12	12	22	34	43	48	43	35	52	50	31	10	27	31	4	19	21	
MEAN	32	32	30	28	27	21	19	23	30	34	42	50	53	59	61	58	58	55	50	43	37	35	32	36	39.4	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH - AUG 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	28	34	37	35	29	15	8	16	37	49	61	69	68	72	61	56	72	80	67	58	60	68	63	59	50
2	53	52	38	21	44	39	38	33	***	55	64	65	63	58	55	62	66	71	66	51	53	60	63	62	54
3	62	60	56	47	55	42	18	23	20	28	31	21	28	35	31	45	53	57	51	18	11	27	10	3	35
4	5	7	17	21	21	12	6	14	20	21	23	22	32	39	40	47	45	41	30	17	17	25	20	24	24
5	17	7	14	20	13	3	5	13	26	18	29	40	62	77	65	66	70	66	56	40	12	22	27	38	34
6	34	47	41	39	26	10	20	22	23	38	56	48	89	94	98	103	96	96	92	63	14	0	0	0	48
7	0	0	2	12	9	3	3	16	38	57	62	70	69	60	62	64	58	54	45	24	2	15	26	29	33
8	37	31	20	24	60	32	39	43	45	37	40	42	50	58	79	90	95	69	50	49	63	53	59	67	51
9	57	57	59	67	66	58	53	51	46	42	57	66	60	69	63	42	26	22	16	22	17	3	0	0	42
10	0	4	0	8	6	0	2	11	16	20	20	27	34	***	25	21	21	19	7	1	0	0	0	0	11
11	0	0	0	0	0	0	0	6	15	19	31	29	36	42	50	50	58	64	52	26	9	4	0	4	21
12	4	3	1	6	10	2	1	10	25	38	42	50	60	84	82	87	76	72	69	58	38	22	38	19	37
13	16	19	9	26	40	28	27	35	45	67	77	87	91	86	85	86	78	70	64	56	55	62	57	57	55
14	60	59	53	41	31	10	8	14	33	61	72	77	80	79	82	87	90	72	66	41	13	2	6	30	49
15	29	34	37	34	31	21	10	12	29	30	44	67	77	83	80	71	76	72	63	60	47	43	36	32	47
16	38	45	50	51	46	39	31	30	31	33	38	52	63	66	67	65	61	68	61	57	56	44	42	47	49
17	46	44	43	40	37	29	18	16	14	10	8	11	17	19	21	25	27	23	16	10	2	0	0	0	20
18	0	0	0	0	0	0	1	11	17	29	37	42	59	64	65	64	57	52	26	2	1	10	24	21	24
19	26	44	51	54	53	42	31	34	36	37	44	61	73	80	87	90	88	64	45	35	20	18	20	16	48
20	17	16	13	11	12	11	10	11	12	15	22	25	35	38	41	42	41	39	30	6	4	4	1	0	19
21	0	0	0	0	0	0	1	3	9	15	22	28	33	37	42	46	52	58	29	2	0	0	0	0	16
22	0	0	0	1	0	1	10	20	25	34	53	73	72	86	96	107	109	84	60	55	51	53	53	58	46
23	60	63	71	65	63	42	27	40	60	73	88	116	111	94	86	109	91	93	82	68	69	82	101	97	77
24	89	88	82	68	55	43	33	41	48	63	72	70	63	46	48	37	40	43	33	13	11	10	14	14	47
25	16	17	17	18	18	10	3	5	14	16	17	21	23	18	14	46	61	46	33	25	10	3	6	2	19
26	0	3	4	0	0	0	0	9	26	29	36	42	41	51	65	62	62	54	47	18	5	20	8	4	24
27	0	0	9	6	1	0	5	15	26	34	38	39	27	26	29	33	33	23	22	16	9	10	5	1	17
28	7	16	31	36	38	29	23	22	27	29	31	34	40	46	50	***	53	54	53	57	50	32	23	24	35
29	28	28	28	26	20	18	20	25	32	37	38	38	36	30	32	32	33	28	12	12	7	3	1	0	23
30	1	1	2	7	6	4	3	3	11	17	23	24	32	32	25	22	20	16	8	7	10	13	21	20	14
31	13	18	19	19	19	15	3	10	16	22	25	26	26	31	31	38	50	43	32	5	0	0	0	0	19
MEAN	24	26	26	26	26	18	15	20	27	34	42	48	53	57	57	60	60	55	45	31	23	23	23	23	35.0

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH - SEP 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	4	4	2	0	0	0	3	14	20	24	27	40	43	49	53	62	58	53	24	16	20	23	11	23
2	5	15	18	17	9	6	7	26	27	38	43	49	49	53	59	60	49	60	47	37	57	61	44	69	38
3	77	90	92	68	59	49	44	39	31	41	50	58	71	74	79	76	74	73	32	13	10	14	15	52	26
4	19	19	20	21	22	22	15	15	19	21	25	26	30	35	39	41	39	34	28	26	23	21	27	28	31
5	27	25	28	29	26	18	14	12	15	23	26	28	34	33	30	43	48	49	39	35	30	36	40	58	31
6	59	61	65	66	50	30	16	14	14	28	51	55	64	77	84	81	88	68	78	69	60	62	65	57	57
7	50	48	45	44	47	40	30	15	11	8	9	13	18	17	29	22	17	15	15	16	17	13	12	11	23
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	2	2	2	1	1	0	0	*****
9	2	8	11	13	11	12	13	11	13	16	19	20	20	23	25	25	21	22	14	5	2	3	2	0	13
10	3	5	7	2	1	1	3	9	9	11	11	11	12	13	20	23	22	16	15	2	2	1	0	0	8
11	- DATA INVALID -																								
12	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	12	13	13	14	9	5	4	8	9	*****
13	13	17	19	19	15	5	2	6	13	19	22	24	21	18	17	18	18	19	19	21	20	18	17	16	17
14	14	12	12	11	7	4	2	4	15	20	26	40	41	39	38	39	32	32	33	31	28	22	19	17	22
15	17	17	16	18	23	21	13	14	17	21	26	31	32	36	33	25	19	32	31	21	26	35	41	40	25
16	34	27	29	29	26	20	13	6	17	18	18	28	30	32	31	29	28	25	11	11	12	7	3	0	20
17	0	0	0	0	0	0	2	3	3	3	10	13	12	10	13	17	18	10	5	3	6	13	10	12	7
18	15	16	17	18	19	15	11	10	14	15	13	11	11	9	6	3	3	4	3	2	5	13	14	18	11
19	20	20	20	20	19	15	10	10	15	21	21	23	24	25	24	20	19	19	15	13	12	16	13	14	18
20	3	1	2	1	0	0	0	0	3	11	16	20	***	30	56	61	56	66	52	54	58	42	36	33	26
21	36	51	46	35	29	17	16	21	31	43	29	35	45	28	5	8	13	5	9	8	5	6	7	10	22
22	7	7	7	12	13	9	2	7	9	12	15	16	12	16	21	16	16	11	2	0	0	0	0	0	9
23	0	0	0	0	0	0	0	3	7	18	20	25	31	38	42	45	46	35	14	6	6	0	0	0	14
24	0	0	0	0	0	0	0	9	14	18	35	37	48	53	52	60	58	47	38	42	51	48	58	59	30
25	44	41	31	22	19	12	9	10	10	16	18	18	26	26	23	20	15	15	5	9	4	8	8	6	17
26	3	3	0	2	4	1	0	0	4	15	18	22	24	34	30	34	27	23	4	0	0	4	11	15	12
27	19	27	22	22	17	9	10	15	25	31	36	41	53	64	66	63	58	37	49	54	31	17	14	16	33
28	14	15	17	21	18	12	5	7	10	13	14	21	22	27	20	18	12	12	2	0	0	0	0	0	12
29	0	0	0	0	0	0	0	0	9	13	21	22	24	23	25	12	14	8	4	4	0	0	0	6	8
30	4	4	7	9	18	13	7	13	17	21	38	45	43	45	41	49	44	43	50	37	39	32	26	30	28
MEAN	18	20	20	19	17	12	9	10	14	20	24	28	32	34	34	34	32	29	23	19	18	18	18	19	21.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	34	30	33	29	19	17	20	23	24	18	20	23	26	22	14	18	12	6	7	6	10	9	10	19
2	12	22	21	24	13	10	0	5	18	17	22	25	26	26	26	27	28	16	0	0	0	0	0	0	14
3	0	0	0	0	0	0	0	0	3	9	17	20	24	23	22	17	4	5	3	0	4	12	24	20	9
4	28	28	26	30	26	20	14	8	8	5	5	4	6	11	11	9	8	4	2	4	7	7	2	0	11
5	2	4	10	11	11	5	0	0	4	***	7	7	9	14	23	16	8	9	7	9	18	31	20	25	11
6	22	20	21	14	17	11	6	5	6	2	6	10	9	7	14	13	12	12	10	5	8	7	9	6	11
7	11	11	14	11	14	14	12	14	16	15	18	18	19	19	15	20	22	20	20	20	21	21	18	16	17
8	18	19	19	20	21	20	19	21	20	20	19	18	19	16	14	12	13	11	8	4	2	3	4	7	14
9	11	9	11	11	8	4	2	8	10	17	26	26	24	28	31	35	39	27	14	19	21	22	26	32	19
10	29	27	25	22	21	12	12	11	18	26	30	37	53	51	54	49	44	38	43	49	41	31	40	32	33
11	7	10	13	8	7	2	0	0	8	****	23	27	28	35	42	37	27	8	0	12	31	37	38	35	19
12	37	41	42	40	32	21	13	15	21	24	23	21	27	33	34	34	40	31	22	27	9	5	6	22	26
13	19	19	22	19	16	5	0	0	0	3	4	12	13	11	11	11	9	2	7	13	16	19	22	23	12
14	25	24	21	17	17	13	15	12	11	10	11	9	9	6	6	8	9	6	11	20	20	22	21	13	14
15	6	2	7	10	12	5	8	13	18	21	24	26	27	23	26	24	23	12	4	6	11	6	7	4	14
16	0	0	0	0	0	0	0	4	16	17	15	19	19	21	19	17	18	8	7	3	0	0	0	0	8
17	0	0	0	0	2	0	0	0	0	7	15	**	36	35	35	29	19	16	11	2	1	1	1	1	9
18	0	2	3	5	4	2	1	3	7	4	6	14	11	6	6	6	4	5	7	6	8	7	6	6	5
19	6	3	1	1	1	1	0	0	2	5	3	11	12	12	7	5	6	5	11	6	2	8	20	21	6
20	21	18	19	11	4	3	0	0	5	12	16	21	17	12	16	17	14	11	8	15	15	9	5	7	12
21	5	8	10	17	13	9	10	11	15	21	26	36	37	40	43	51	58	55	50	49	43	40	39	43	30
22	41	43	42	40	35	31	31	34	32	40	43	44	55	65	71	72	70	63	61	59	54	54	51	43	49
23	42	37	26	21	16	11	5	2	2	2	2	4	9	13	13	15	16	17	15	19	22	20	19	21	15
24	17	8	10	11	12	7	5	4	14	21	24	24	24	21	21	18	18	7	0	0	0	0	2	5	11
25	6	7	8	10	12	4	2	3	8	8	11	14	****	22	23	17	19	23	27	26	25	27	30	29	16
26	28	25	25	30	27	26	24	19	3	0	0	2	3	3	1	1	1	1	8	6	3	2	2	2	10
27	4	7	9	11	9	6	4	5	9	16	20	15	14	16	17	18	21	18	10	18	19	11	10	9	12
28	10	12	13	12	9	3	2	1	2	7	11	15	18	22	16	15	10	7	9	13	10	8	3	3	10
29	4	1	1	1	1	1	1	2	7	9	10	13	14	15	15	14	11	5	10	4	2	3	4	2	6
30	3	6	3	0	0	0	0	0	4	11	14	16	***	23	23	18	8	1	1	0	7	13	19	18	8
31	19	18	19	19	16	14	5	6	7	12	17	18	18	21	21	26	7	0	7	7	5	9	7	2	13
MEAN	15	15	15	15	13	9	7	7	10	14	16	19	21	22	22	21	19	14	12	14	14	14	15	15	14.9

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	11	0	0	0	0	0	0	2	10	19	****	20	21	20	15	5	0	0	2	4	5	6	10	7
2	14	9	15	17	20	18	9	8	11	14	18	23	26	19	14	10	6	2	6	7	5	3	3	1	12
3	0	2	1	1	1	1	1	1	1	4	15	23	34	22	12	46	18	0	0	2	3	1	1	1	8
4	0	0	0	0	0	10	13	0	15	24	28	38	48	50	53	49	37	42	41	31	35	33	24	17	25
5	14	10	21	29	14	9	13	15	23	27	37	49	53	55	60	62	55	44	41	37	37	35	32	37	34
6	46	47	44	41	39	35	25	20	14	16	****	9	0	0	0	0	0	3	7	12	6	10	14	8	17
7	12	9	14	14	15	9	5	7	3	4	9	12	14	16	14	16	10	0	0	0	0	0	0	0	8
8	0	0	0	0	0	0	0	0	0	6	14	16	12	12	5	13	7	3	2	2	2	6	5	8	5
9	15	16	14	8	7	6	5	6	11	12	13	11	16	12	13	11	7	5	0	0	0	3	3	4	8
10	3	0	0	0	0	0	0	0	0	3	4	3	****	7	4	3	1	1	1	1	1	1	1	1	2
11	0	0	0	0	0	0	0	0	3	6	9	6	6	4	7	3	0	0	2	1	0	0	0	5	2
12	8	11	14	17	16	18	18	18	20	17	16	16	16	15	16	14	16	14	17	17	14	16	8	4	15
13	10	8	4	7	11	7	4	4	3	2	2	3	3	2	1	3	1	4	4	4	4	6	5	8	5
14	17	18	21	21	18	19	17	13	17	15	10	13	10	13	11	7	2	1	7	10	12	12	9	11	13
15	12	13	14	13	14	13	8	7	5	11	10	6	13	13	8	7	5	0	0	0	0	0	0	0	7
16	0	0	0	0	0	0	0	0	4	18	21	15	14	12	12	9	3	1	2	1	3	2	4	8	5
17	11	10	8	3	5	3	3	1	1	****	****	6	11	13	11	9	11	12	13	11	11	9	5	9	8
18	7	4	4	10	12	15	17	18	20	20	20	20	20	20	17	12	10	12	13	10	11	15	13	11	14
19	13	13	17	20	21	17	15	14	14	19	23	20	24	21	16	15	12	6	10	4	4	1	2	0	13
20	0	0	16	17	19	18	10	11	6	12	13	11	16	16	12	13	11	11	11	13	15	17	15	17	13
21	16	19	18	18	15	10	8	3	4	7	11	11	13	13	11	8	7	5	4	0	0	0	0	0	8
22	4	6	7	3	9	8	5	3	5	9	6	5	14	10	5	6	0	0	0	0	0	0	0	0	4
23	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
24	0	0	0	3	4	3	1	1	1	1	3	3	4	4	3	2	2	2	3	2	0	10	16	18	4
25	23	24	24	25	25	23	15	19	19	16	8	11	7	9	7	9	7	9	10	14	16	16	13	11	15
26	18	21	22	21	18	17	9	7	17	19	21	21	19	21	20	18	11	8	12	16	17	18	20	16	17
27	19	21	21	18	16	16	10	7	8	9	8	8	9	9	6	4	2	2	0	0	0	0	0	0	8
28	4	7	2	0	0	0	0	0	0	1	4	6	9	6	4	3	8	11	14	11	9	8	7	4	5
29	4	4	3	4	2	2	1	0	0	11	10	8	12	9	10	6	0	5	6	6	6	8	7	6	6
30	6	4	7	10	13	12	11	12	12	14	15	12	17	17	14	16	11	10	7	10	10	8	8	7	11
MEAN	9	10	10	11	10	10	7	7	8	11	13	13	16	15	13	13	9	7	8	8	8	8	7	7	9.5

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES																MONTH - DEC 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	11	12	9	9	9	5	4	3	3	5	4	3	6	5	****	0	0	3	5	4	1	0	0	5
2	0	3	8	20	20	22	22	21	18	14	17	18	19	19	20	16	15	12	9	9	11	15	16	17	15
3	18	19	19	22	21	20	19	18	17	16	14	12	6	5	0	0	0	0	0	0	3	4	5	5	10
4	6	7	10	18	18	11	8	7	2	4	8	13	16	16	16	15	12	11	10	11	13	11	11	12	11
5	15	11	16	17	16	16	14	10	8	13	12	11	12	12	11	8	7	1	1	4	7	9	11	8	10
6	8	6	3	2	1	0	0	0	0	3	6	10	12	9	8	5	3	0	0	0	2	2	2	1	3
7	3	3	10	11	11	7	2	0	0	2	2	2	4	3	2	0	0	0	0	0	0	0	0	0	3
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	3
9	10	11	13	15	16	16	15	12	11	8	11	15	14	11	13	15	16	17	17	17	18	19	20	17	14
10	19	17	17	17	17	17	17	18	18	19	21	21	23	23	23	21	18	17	17	17	16	16	12	8	18
11	9	10	11	12	12	12	12	8	4	4	6	9	11	6	5	0	0	0	0	1	2	0	0	1	6
12	1	1	2	3	3	1	2	3	4	4	5	8	15	15	12	9	1	3	5	7	6	8	7	6	5
13	7	9	15	16	17	17	15	14	11	14	11	11	12	****	12	14	14	13	11	11	10	15	20	22	14
14	23	23	24	25	25	25	26	20	12	15	15	16	20	18	17	9	13	10	7	8	9	7	8	10	16
15	7	10	11	10	11	12	9	9	7	5	7	11	13	13	13	14	12	8	3	0	4	7	7	6	9
16	3	2	0	1	2	1	0	0	1	2	4	6	10	11	11	5	1	0	0	0	2	4	4	4	3
17	6	3	2	13	21	24	25	26	24	22	22	23	23	22	21	21	20	21	16	16	18	19	21	24	19
18	22	22	22	22	21	18	14	7	4	5	9	12	15	11	6	5	6	7	10	8	9	10	13	17	12
19	17	11	7	18	22	22	17	13	10	11	14	16	17	14	12	10	6	7	6	4	1	2	1	0	11
20	1	1	9	7	2	3	4	3	1	2	4	4	5	5	3	1	0	0	0	0	0	0	0	0	2
21	0	0	0	0	0	0	2	5	12	19	19	17	15	15	15	11	13	8	11	10	12	15	13	9	9
22	10	5	1	1	5	7	5	1	0	0	6	9	12	12	12	12	11	10	11	11	9	8	9	7	11
23	18	18	19	18	18	15	16	13	11	11	13	14	15	16	12	8	2	0	0	0	0	0	0	0	11
24	0	0	0	0	0	3	4	1	4	6	11	11	9	7	5	1	4	3	2	0	1	1	2	3	3
25	1	2	2	2	3	4	8	11	12	9	6	7	14	17	21	19	22	22	23	23	22	21	21	13	13
26	20	20	19	19	17	16	14	13	18	20	22	24	22	23	21	20	16	15	15	16	17	16	16	18	18
27	18	18	18	19	17	17	16	15	16	17	17	18	17	17	16	13	10	9	10	11	11	10	9	15	15
28	10	12	12	12	12	11	8	7	6	6	9	13	14	12	6	1	0	0	0	0	0	0	0	0	7
29	0	0	0	0	1	1	1	0	0	0	7	11	12	14	13	14	8	7	6	8	9	7	4	1	5
30	1	1	0	0	0	0	0	0	1	2	2	2	3	1	1	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	0	0	0	1	4	6	7	1
MEAN	9	8	9	11	11	11	10	9	7	8	10	11	12	12	11	9	8	7	6	6	7	8	8	8	9.0

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES																MONTH - DEC 78									
MONTH	NO OF DAYS					AVERAGE CONCENT					24-HOUR MAXIMUM					MAXIMUM READING									
JAN	30					15.6					28					48									
FEB	28					22.7					40					58									
MAR	31					31.6					62					125									
APR	30					22.7					43					62									
MAY	29					31.3					67					148									
JUN	30					33.1					67					115									
JUL	31					39.4					84					120									
AUG	31					35.0					77					116									
SEP	27					21.8					57					92									
OCT	31					14.9					49					72									
NOV	30					9.9					34					62									
DEC	31					9.0					19					26									
YEAR	359					24.0					84					148									

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	218	260	213	22	0	0	0	0	713
FEB	133	162	194	160	19	0	0	0	668
MAR	114	91	151	294	73	11	6	0	740
APR	162	139	204	194	14	0	0	0	713
MAY	109	136	163	183	95	19	7	0	712
JUN	123	124	105	209	128	20	5	0	714
JUL	113	103	102	181	167	62	11	0	739
AUG	159	103	99	163	173	37	7	0	741
SEP	199	197	102	106	58	5	0	0	667
OCT	322	218	120	62	17	0	0	0	739
NOV	423	225	34	27	6	0	0	0	715
DEC	420	267	55	0	0	0	0	0	742
YEAR	2495	2025	1542	1601	750	154	36	0	8603

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.2	0	0.8	10.4	19.0	29.7	51.6	64.2	81.7	89.7	148	24.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	17	17	19	20	23	23	24	24	19	17	18	19	18	16	15	9	7	21	25	28	26	18	11	19
2	14	17	20	25	25	23	17	13	10	16	22	24	21	21	19	19	12	13	15	14	14	13	12	13	17
3	14	12	12	11	11	10	7	5	9	14	15	19	22	22	20	17	15	8	9	8	6	6	9	11	12
4	7	10	11	6	3	1	1	4	10	11	10	12	13	14	12	9	5	5	8	8	7	5	3	4	7
5	4	2	0	0	0	0	0	0	0	3	4	10	8	9	4	2	0	0	0	0	0	0	0	0	2
6	0	8	15	17	19	16	6	4	6	***	8	10	9	9	9	9	9	12	12	8	10	10	9	7	10
7	6	7	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	1	5	7	9	9	9	6	2	1	0	0	0	0	0	1	1	6	2
9	10	14	14	15	15	17	15	11	12	13	15	15	17	17	18	17	15	15	18	19	19	20	17	15	16
10	18	17	10	8	4	25	23	22	19	22	22	21	22	24	27	27	24	23	23	22	23	22	17	15	20
11	17	22	24	25	25	20	16	12	12	14	15	15	15	16	16	15	8	5	6	8	5	2	2	4	13
12	9	11	12	13	15	3	0	0	2	5	8	9	16	13	13	9	4	1	1	0	0	0	0	0	6
13	0	0	0	0	0	0	1	2	***	6	5	6	5	5	4	3	2	1	1	1	3	3	4	4	2
14	6	8	16	17	19	19	20	20	23	23	24	25	27	26	26	27	25	25	25	26	28	28	29	28	23
15	26	19	15	15	16	17	14	13	15	17	20	21	23	20	20	22	19	16	18	17	16	17	16	16	18
16	18	19	18	14	13	8	6	4	4	8	11	14	17	15	11	5	5	5	5	5	3	1	1	0	9
17	0	0	0	0	0	4	4	3	2	3	2	1	1	1	5	11	10	8	6	4	3	4	4	0	3
18	2	8	16	20	23	24	21	17	15	14	23	26	30	31	32	30	22	7	8	1	0	0	0	0	15
19	0	0	0	0	0	0	0	0	0	2	4	10	16	18	18	12	9	2	1	0	0	0	0	6	4
20	14	19	17	15	13	14	12	10	7	5	6	7	8	11	13	15	15	12	9	12	15	18	19	20	13
21	25	26	27	25	19	17	11	10	12	20	21	23	20	18	17	14	9	7	6	6	2	3	4	5	14
22	10	11	12	8	2	0	4	7	8	12	15	17	19	23	24	18	21	19	20	21	19	14	11	8	13
23	7	7	5	5	6	6	4	3	6	8	12	14	18	19	19	13	7	3	3	5	8	8	8	6	8
24	6	5	5	5	5	4	2	2	2	7	11	14	13	15	13	11	8	6	10	12	6	2	1	2	7
25	2	4	5	4	3	2	1	2	1	2	1	1	1	1	1	1	1	1	2	2	1	1	3	3	2
26	6	3	1	1	3	3	3	6	11	17	17	19	19	19	19	19	19	19	20	21	22	23	25	25	14
27	26	25	25	26	25	24	22	20	19	19	20	21	23	21	21	21	18	14	17	18	18	18	17	13	20
28	13	13	13	13	12	8	4	1	3	9	15	19	23	25	25	20	18	7	7	8	14	21	21	19	14
29	22	22	21	18	17	16	8	5	4	11	15	17	25	25	25	20	18	15	12	11	16	17	14	10	16
30	10	11	15	15	14	13	11	12	15	12	14	17	22	21	19	14	11	11	14	14	14	9	11	12	14
31	13	18	20	17	15	12	6	6	6	10	14	-	18	18	19	14	10	5	7	9	14	18	20	18	13
MEAN	11	11	12	12	11	11	8	8	9	11	13	14	16	16	16	14	11	9	10	10	10	10	10	9	11.3

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT											UNITS - PARTS/BILLION													
	STATION - WC NO 29025					BARTON/WENTWORTH HAMILTON						MONTH - FEB 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	15	14	13	11	10	7	2	3	7	13	18	25	24	23	16	13	7	8	5	6	4	6	4	11
2	4	4	6	3	0	1	0	0	1	5	9	15	20	23	21	14	11	5	6	10	10	10	13	14	9
3	14	16	14	2	0	3	1	0	0	8	12	17	19	21	26	27	23	15	6	1	3	5	7	10	10
4	10	1	3	4	0	0	0	0	3	11	16	21	22	21	14	9	3	1	0	0	0	0	0	0	6
5	0	0	0	0	0	0	0	0	4	8	13	20	22	23	20	8	9	8	14	19	19	19	20	18	10
6	18	18	20	22	23	23	16	17	18	20	23	28	29	27	26	21	19	21	26	28	29	29	29	29	23
7	29	29	27	28	25	23	23	18	17	21	24	27	29	29	22	16	16	20	24	24	23	20	19	17	23
8	14	17	22	19	4	9	9	14	16	19	19	21	23	27	29	29	25	8	2	0	0	0	0	0	14
9	0	0	0	0	0	0	0	0	2	3	8	12	19	21	24	24	17	15	7	4	3	3	2	1	7
10	3	4	4	6	9	10	3	1	4	11	13	20	-	-	-	-	-	-	-	-	-	-	-	-	*****
11	16	10	12	14	14	11	10	12	14	16	18	21	27	30	27	26	23	19	17	18	18	24	24	23	19
12	26	23	24	26	27	28	27	26	26	26	26	27	24	23	22	21	21	22	23	22	19	16	18	24	24
13	19	22	23	20	17	14	16	10	9	9	6	13	**	21	17	18	19	19	10	8	8	11	18	16	15
14	16	12	9	9	14	15	11	10	11	18	23	22	24	30	34	30	16	4	4	7	5	0	0	0	14
15	0	0	0	0	*****	*****	*****	*****	*****	20	30	28	30	30	31	26	25	24	10	7	15	14	15	18	17
16	14	15	16	18	20	15	8	5	7	14	20	27	30	32	36	26	22	21	13	15	16	23	20	19	19
17	23	27	32	35	29	13	6	5	8	15	22	29	38	32	31	28	20	17	25	19	12	17	18	16	22
18	13	16	19	23	19	20	16	17	18	23	25	30	37	39	45	37	36	25	17	16	8	3	2	2	21
19	2	3	1	1	1	2	3	7	14	20	23	27	33	35	37	36	32	27	15	9	4	2	2	1	14
20	5	9	11	32	32	19	3	2	4	15	20	29	39	42	45	44	39	35	25	21	16	10	9	11	22
21	23	26	26	31	27	13	11	6	6	13	17	29	44	50	55	39	26	45	24	27	29	22	19	18	26
22	18	18	20	20	17	12	6	6	8	15	24	33	37	32	30	26	20	20	19	21	25	27	27	21	21
23	20	16	14	13	12	6	2	3	4	9	21	29	37	44	48	50	40	39	41	36	34	31	32	31	26
24	22	15	14	22	25	20	11	9	7	14	19	25	31	23	23	24	24	27	29	32	30	26	24	19	21
25	15	15	18	23	24	23	16	8	9	4	7	16	18	20	27	35	36	35	24	5	7	10	12	11	17
26	3	5	10	15	13	12	14	18	22	27	29	31	32	33	32	26	26	24	14	8	9	9	7	8	18
27	7	9	8	8	12	13	6	4	7	14	23	24	25	27	27	29	19	17	12	7	12	23	26	19	16
28	16	23	26	21	16	7	9	4	8	24	33	38	40	37	35	29	35	10	18	19	12	16	0	1	20
MEAN	13	13	14	15	14	12	9	8	9	15	19	24	29	30	30	26	23	20	16	14	14	14	14	13	16.9

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 1.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
	STATION - WC NO 29025					BARTON/WENTWORTH HAMILTON							MONTH - MAR 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	12	29	46	45	47	46	25	15	26	31	40	44	50	48	48	51	46	29	22	15	9	12	12	11	32	
2	13	13	18	19	11	6	0	2	8	12	19	26	35	37	39	38	30	26	19	13	6	1	6	0	17	
3	0	0	2	7	5	1	12	18	20	25	21	16	17	26	29	34	41	37	37	36	34	28	26	27	21	
4	31	34	34	39	37	27	23	22	25	28	29	32	34	34	34	33	30	22	20	17	17	18	18	15	27	
5	11	11	14	17	17	17	19	23	26	30	31	36	40	41	42	44	39	39	41	42	42	49	49	44	32	
6	40	33	30	21	17	6	0	4	10	14	19	25	32	47	51	52	45	41	30	23	36	45	25	13	27	
7	24	27	31	26	17	3	0	0	3	25	30	35	39	36	34	38	36	31	15	2	7	25	23	20	22	
8	16	23	18	19	19	13	7	8	10	11	15	29	33	32	32	34	32	22	10	11	0	2	0	0	17	
9	0	0	0	0	0	0	0	0	7	21	30	30	44	51	53	51	44	36	22	35	37	39	44	55	25	
10	42	30	51	36	25	18	4	5	10	26	35	32	38	31	37	59	71	25	12	7	0	0	2	2	25	
11	19	21	18	24	41	52	45	42	33	42	40	37	55	77	70	59	55	53	54	69	68	68	77	66	49	
12	48	24	60	36	61	72	80	82	84	78	66	62	62	64	61	59	56	33	22	6	0	0	0	0	47	
13	0	0	0	0	0	0	2	10	21	36	46	54	57	39	29	30	33	44	43	37	21	29	22	11	24	
14	13	7	6	10	1	11	47	46	41	30	34	38	33	28	23	41	40	36	38	38	40	39	39	40	30	
15	40	38	41	40	37	29	21	16	15	17	26	28	30	26	29	32	22	19	16	20	23	26	21	18	26	
16	13	17	25	26	25	29	33	21	14	18	21	23	24	22	20	20	17	20	19	19	22	25	26	22	22	
17	17	15	21	31	30	23	6	7	14	25	29	25	26	30	28	15	16	24	14	5	9	23	20	9	19	
18	7	10	20	24	22	21	18	18	23	27	36	43	44	45	48	53	55	54	46	40	26	30	32	28	32	
19	28	34	36	34	32	29	31	36	40	42	44	43	36	39	40	41	41	37	32	27	24	24	27	24	34	
20	22	30	36	27	27	23	11	3	17	25	29	32	34	38	22	25	25	25	21	19	16	9	11	9	22	
21	15	19	1	1	8	15	16	13	9	14	14	6	7	7	10	16	18	29	25	24	25	27	29	30	16	
22	31	33	38	40	41	41	*****	***	24	26	26	27	30	27	25	13	5	9	10	9	5	2	3	4	21	
23	15	26	25	29	32	27	16	15	21	25	29	31	32	34	36	31	26	27	19	8	5	7	16	27	23	
24	35	34	36	36	37	37	34	37	38	36	36	37	39	40	42	42	35	28	31	23	22	18	16	13	33	
25	8	10	7	2	14	24	24	26	27	28	30	29	33	33	31	29	30	25	28	31	27	36	40	41	26	
26	22	21	20	12	15	16	16	14	16	17	16	18	22	21	19	13	6	4	2	14	7	16	19	20	15	
27	17	16	22	27	25	15	16	16	16	18	23	25	28	16	26	27	28	25	22	21	21	21	21	28	22	
28	35	36	37	24	24	23	16	20	13	13	7	8	7	5	2	4	1	1	1	0	1	1	0	2	12	
29	3	4	8	11	10	10	5	6	18	18	18	18	21	21	19	16	16	18	15	14	8	8	5	7	12	
30	11	12	15	16	18	19	12	9	7	10	13	15	23	22	21	19	16	14	10	9	5	5	6	7	13	
31	8	10	12	9	6	6	5	5	5	6	8	9	10	11	4	3	4	4	7	5	4	5	5	7	7	
MEAN	19	20	23	22	23	21	18	18	21	25	28	29	33	33	32	33	31	27	23	21	18	21	21	19	24.1	



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - WC NO 29025						BARTON/WENTWORTH HAMILTON						MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	6	5	5	10	24	27	28	25	27	24	25	24	21	20	21	22	23	24	27	26	23	24	20
2	31	34	35	33	31	31	31	30	31	31	34	34	26	16	12	15	9	11	10	5	7	9	9	3	22
3	9	11	15	16	22	21	14	11	12	12	11	12	12	12	13	14	16	14	12	10	12	12	12	11	13
4	6	10	9	8	9	8	9	8	****	8	11	12	11	12	13	11	13	12	13	14	11	16	16	18	11
5	15	21	25	26	26	23	16	17	26	22	28	24	27	25	29	21	28	30	26	18	17	11	11	12	22
6	9	13	14	14	14	9	14	15	18	19	15	21	21	20	22	22	22	25	25	25	26	21	23	26	19
7	24	20	16	21	22	28	25	22	24	23	20	22	25	26	31	27	28	28	23	21	22	25	30	28	24
8	30	28	25	27	30	28	34	34	37	38	34	39	42	39	39	41	44	41	43	39	39	36	24	22	35
9	21	22	29	33	41	40	40	41	42	41	41	42	42	39	39	38	24	29	24	19	17	16	18	19	32
10	16	17	15	17	21	21	21	23	23	20	21	****	****	****	****	****	27	20	21	28	25	36	32	32	23
11	28	23	24	36	23	14	14	14	13	15	13	16	26	26	33	35	36	28	37	33	20	23	36	45	25
12	44	42	43	46	41	31	24	30	25	38	40	41	44	45	****	****	****	****	****	****	****	****	****	****	****
13	DATA INVALID -																								
14	****	****	****	****	****	****	****	****	****	****	****	26	19	24	****	26	13	22	25	16	23	29	23	24	****
15	12	22	32	28	29	30	30	31	32	36	30	29	30	29	31	35	35	39	37	35	27	21	16	21	29
16	12	13	15	14	18	20	22	29	32	34	37	35	29	33	40	42	39	18	11	20	15	29	30	33	26
17	35	29	23	12	34	25	12	21	26	39	33	26	20	24	22	31	35	16	8	18	19	17	7	16	23
18	8	0	0	0	0	2	4	8	10	15	24	21	25	27	31	29	27	30	17	20	26	6	0	0	14
19	3	3	3	2	3	16	22	15	11	18	16	19	22	19	22	23	20	14	19	25	26	13	15	12	15
20	17	16	11	10	16	24	16	23	22	****	****	25	31	31	32	30	31	18	13	13	15	18	14	14	20
21	22	22	31	32	30	24	9	12	30	32	36	40	46	49	45	18	41	46	43	32	31	15	13	11	30
22	7	13	11	11	43	31	27	45	47	49	49	38	38	27	56	40	55	52	49	15	21	11	35	24	33
23	36	8	4	5	6	7	15	36	28	30	30	41	38	51	51	49	31	36	13	19	9	9	9	9	24
24	10	11	11	10	11	12	21	28	19	23	39	49	20	27	35	29	42	25	41	17	19	37	25	21	24
25	25	19	29	19	13	13	24	23	****	****	****	21	21	28	28	30	30	19	12	5	****	****	****	****	21
26	****	****	****	****	****	****	****	****	****	****	****	16	14	16	20	24	36	36	25	17	21	30	1	5	8
27	4	5	0	0	0	2	18	19	17	24	25	21	29	34	****	****	****	****	****	****	****	****	****	****	****
28	DATA UNAVAILABLE -																								
29	DATA UNAVAILABLE -																								
30	DATA UNAVAILABLE -																								
MEAN	18	17	18	18	20	20	20	23	25	26	27	28	28	28	31	29	28	25	23	22	20	19	19	19	23.0

PERCENTAGE OF DATA VALID - 78.9

PERCENTAGE OF DATA INVALID - 9.6

PERCENTAGE OF DATA UNAVAILABLE - 11.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - WC NO 29025						BARTON/WENTWORTH HAMILTON						MONTH - MAY 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6												- DATA UNAVAILABLE -													
7												- DATA UNAVAILABLE -													
8												- DATA UNAVAILABLE -													
9	-	-	-	-	-	-	-	-	-	-	-	- DATA UNAVAILABLE -													
10	30	30	27	26	26	19	13	16	23	19	15	13	18	17	18	15	17	22	28	23	23	20	23	25	*****
																			22	15	8	1	0	4	17
11	12	18	17	20	17	10	9	15	21	22	27	42	53	50	62	60	63	69	51	10	0	0	0	4	27
12	0	3	10	0	5	3	3	2	****	4	5	12	4	13	27	30	30	36	35	32	27	29	9	15	15
13	22	22	7	6	5	5	6	5	7	10	19	21	9	6	3	8	13	23	24	2	1	15	11	7	11
14	9	3	8	21	9	17	21	10	7	12	19	14	12	9	15	6	20	12	17	20	22	22	30	29	15
15	31	27	33	36	15	19	15	12	18	22	15	12	15	12	14	15	19	14	11	14	3	8	8	6	16
16	8	15	12	6	13	5	6	5	9	7	10	7	7	5	13	20	14	13	15	6	3	1	1	1	8
17	9	36	35	31	30	8	4	6	****	7	4	6	4	4	6	3	15	15	21	5	0	2	3	3	11
18	3	0	5	5	0	0	0	2	11	28	27	5	3	5	14	12	18	26	17	15	13	6	0	2	9
19	3	6	8	6	4	0	0	5	21	30	46	50	46	39	37	34	43	43	37	16	5	43	43	47	26
20	41	38	40	44	40	31	35	50	51	71	75	76	73	65	74	78	71	29	31	29	28	32	28	30	48
21	35	52	38	23	23	22	26	35	36	39	41	42	46	50	50	51	50	29	27	18	15	6	7	10	32
22	14	14	12	5	3	5	24	24	27	32	36	40	45	49	52	55	54	51	37	24	9	3	0	0	26
23	0	0	0	0	0	0	3	4	11	13	20	11	29	62	33	12	12	11	9	2	32	6	3	0	11
24	0	0	0	11	5	2	1	20	****	57	41	33	31	48	44	41	46	56	51	48	25	12	0	0	25
25	0	0	0	0	0	0	2	10	28	52	62	64	68	72	78	56	73	71	68	76	25	4	4	7	34
26	16	25	27	24	18	3	3	10	42	68	62	62	78	69	76	87	96	70	42	22	30	22	30	37	42
27	28	35	22	33	24	12	17	34	38	42	32	47	64	70	56	71	71	90	109	92	78	53	8	22	48
28	37	33	46	92	77	93	73	55	61	46	56	63	64	60	58	53	41	38	64	54	59	54	22	0	54
29	14	25	39	25	14	11	6	15	23	32	28	38	40	50	46	31	32	43	26	23	19	24	17	11	26
30	5	0	0	6	28	30	10	****	19	33	23	****	51	60	52	42	44	57	47	32	17	31	19	44	30
31	43	45	38	36	31	16	13	17	20	50	64	59	47	45	44	37	36	32	31	30	29	23	20	23	35
MEAN	16	19	19	21	18	14	13	17	25	32	33	34	37	39	39	37	39	38	36	26	20	18	12	14	25.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	18	16	13	6	0	3	3	6	10	11	13	17	19	19	20	34	38	26	35	9	2	13	11	15
2	5	2	11	34	36	19	15	20	27	32	39	41	32	***	6	1	2	3	6	5	0	0	0	0	15
3	6	9	11	10	14	8	9	11	11	11	19	25	27	30	31	26	22	25	25	22	16	5	3	0	16
4	0	0	2	2	3	2	6	12	15	11	14	14	16	19	18	16	15	11	13	13	21	25	30	28	13
5	26	10	8	9	7	11	7	13	17	15	15	15	18	19	20	20	22	18	19	9	8	4	1	1	13
6	0	0	0	0	0	0	0	0	4	6	10	10	***	6	7	7	5	6	5	3	1	3	4	5	4
7	7	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	1	1	1	0	1	1	4	12	13	14	16	15	11	7	3	4	4	3	2	2	5
9	2	2	3	2	6	1	4	5	7	11	9	8	9	10	12	18	20	21	17	10	7	6	10	5	9
10	1	0	0	0	0	0	0	2	1	1	2	2	3	6	8	7	5	12	14	7	14	16	20	23	6
11	23	25	27	25	20	15	14	17	17	21	28	30	28	32	37	42	44	42	32	19	16	20	20	23	26
12	23	22	20	17	12	8	6	7	9	13	20	27	22	19	17	9	2	3	6	8	8	4	2	3	12
13	3	3	3	4	5	5	2	2	***	6	6	8	***	13	12	12	15	17	16	15	10	4	1	2	7
14	2	3	3	4	3	1	0	5	12	16	18	18	18	16	15	17	16	17	17	13	3	1	0	1	9
15	3	4	5	5	3	1	1	1	3	6	10	10	10	8	12	14	13	13	8	1	1	1	0	0	6
16	1	3	4	4	4	0	0	0	0	0	1	1	5	3	3	11	7	1	1	6	2	1	0	2	2
17	0	0	4	5	1	0	1	2	3	1	4	1	5	7	13	15	15	13	8	12	14	13	12	11	7
18	17	15	15	13	9	5	3	10	12	10	10	11	11	14	14	14	16	13	15	15	5	8	11	7	11
19	2	3	1	2	1	0	0	0	0	4	9	13	15	17	17	17	7	12	17	15	8	3	1	0	7
20	0	0	0	0	0	0	0	0	7	13	19	23	12	18	25	24	19	31	26	43	26	12	16	13	14
21	3	4	3	0	0	0	0	0	0	0	1	1	5	11	14	14	16	25	22	12	5	3	0	0	6
22	0	1	3	3	2	1	1	4	5	8	9	11	13	12	9	11	13	12	11	17	15	17	9	8	8
23	5	6	6	7	4	2	4	7	11	14	15	18	20	15	9	5	6	7	7	7	2	1	1	1	8
24	2	2	3	0	0	2	2	3	7	7	3	9	9	10	7	13	7	7	6	3	4	4	4	5	5
25	2	5	4	2	0	1	3	7	9	12	9	7	12	17	13	23	24	4	3	2	2	0	0	0	7
26	0	4	4	8	6	5	3	0	2	2	4	8	10	13	10	6	7	17	10	6	5	3	3	5	6
27	5	5	4	4	6	3	0	1	5	6	15	18	18	12	13	13	12	17	18	21	14	17	15	11	11
28	9	9	8	8	6	3	2	2	4	9	14	17	17	16	16	16	16	18	14	9	3	1	1	3	9
29	2	6	6	6	6	3	5	9	10	17	21	24	19	18	21	23	24	24	23	21	9	4	4	7	13
30	8	11	11	14	16	11	8	8	8	5	4	6	8	8	7	8	10	6	4	11	13	12	10	9	9
MEAN	6	6	6	7	6	4	3	5	7	9	11	13	14	14	14	14	14	15	13	12	8	6	6	6	9.2

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	6	0	3	5	3	5	4	5	9	8	7	7	7	7	6	6	7	6	5	3	0	0	0	5
2	0	0	0	0	0	0	1	3	6	9	13	13	13	14	15	19	18	14	12	9	8	7	5	1	8
3	1	1	1	1	5	9	8	9	9	10	7	5	4	8	8	7	8	6	5	7	6	7	5	4	16
4	4	3	5	11	10	6	5	5	7	10	18	38	38	30	28	21	17	21	18	34	19	5	0	0	15
5	0	0	0	0	0	0	2	8	20	34	34	49	59	50	52	46	49	49	49	40	26	19	15	14	26
6	22	43	36	35	18	4	7	21	45	46	***	62	63	66	66	60	64	75	81	80	60	70	88	100	53
7	102	97	91	81	63	38	24	23	40	53	63	70	71	68	75	80	85	91	91	89	96	95	85	77	73
8	63	62	58	52	47	40	34	32	38	44	53	51	57	59	46	45	42	38	33	21	20	21	16	13	41
9	13	11	13	13	11	10	9	9	12	18	27	30	34	38	42	39	38	35	36	32	29	26	31	44	25
10	50	51	58	52	41	25	15	15	15	19	20	26	27	28	26	25	22	20	22	20	15	7	5	5	25
11	10	11	12	11	9	4	3	4	11	20	22	22	23	23	24	25	28	36	32	26	13	14	11	7	17
12	5	6	3	6	6	3	3	5	10	17	24	30	32	32	30	32	40	40	38	28	14	18	30	35	20
13	38	47	43	36	27	21	22	30	35	38	40	44	64	68	71	68	71	77	64	48	35	38	44	42	46
14	42	42	43	31	18	8	4	25	29	39	34	56	62	60	56	46	41	52	54	23	18	21	22	16	35
15	5	3	4	3	6	6	4	11	37	66	79	80	78	77	88	91	90	93	83	66	54	53	45	32	48
16	29	24	23	21	18	15	14	17	18	25	17	18	29	37	39	49	45	39	29	28	24	18	16	16	25
17	18	18	17	17	16	12	11	10	15	20	30	30	39	48	48	39	38	30	31	30	22	12	2	8	23
18	13	7	4	0	0	0	0	3	7	23	42	56	69	60	61	62	62	62	54	38	29	26	28	43	31
19	54	52	54	63	54	38	23	25	31	46	79	90	96	95	84	66	64	59	48	44	34	22	25	68	55
20	89	119	111	92	79	50	25	32	50	64	83	86	***	78	87	87	93	88	78	69	58	61	62	72	74
21	65	76	85	80	57	38	43	37	30	20	8	***	42	65	62	50	62	71	54	44	30	18	20	32	47
22	36	36	40	38	35	26	12	18	35	41	55	71	83	81	76	58	48	51	76	83	90	85	71	61	54
23	59	55	47	43	37	33	30	33	38	41	38	37	38	37	31	25	24	20	24	27	24	19	20	15	33
24	16	14	13	10	6	0	0	1	8	15	19	23	20	13	13	12	11	15	13	9	2	1	0	0	10
25	0	0	0	0	0	0	2	1	3	6	12	9	***	51	40	39	43	54	56	28	49	58	64	66	25
26	65	55	37	29	24	20	17	27	35	37	37	35	45	53	54	60	65	67	69	56	31	17	21	24	41
27	27	38	45	46	37	29	16	10	12	26	34	43	38	43	33	38	14	12	18	9	0	7	8	9	25
28	7	5	6	7	5	1	2	7	9	12	19	25	27	24	28	31	32	26	28	16	14	17	5	1	15
29	2	7	23	20	18	4	6	10	20	29	31	32	28	29	35	32	36	37	36	38	35	31	28	24	25
30	20	18	16	13	12	11	11	10	9	10	15	16	18	23	30	35	42	29	18	14	7	0	3	1	16
31	0	0	0	0	0	0	2	4	5	4	8	10	9	8	9	7	13	13	19	23	13	0	1	1	6
MEAN	28	29	29	26	21	15	12	14	21	27	32	39	42	44	44	42	42	43	41	35	28	26	25	27	30.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	18	15	16	6	0	1	17	23	34	42	45	****	****	5	5	5	5	4	2	3	4	3	2	12
2	1	2	1	0	0	0	0	0	0	1	2	2	3	3	4	4	5	6	5	4	3	2	1	1	2
3	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
4	2	2	3	3	4	2	1	1	4	4	6	8	10	9	9	7	8	9	6	5	4	3	0	0	5
5	0	0	0	0	0	0	0	2	4	4	4	5	14	12	15	23	26	26	24	14	10	1	0	0	8
6	0	0	1	2	4	5	3	5	9	13	23	22	26	33	35	30	32	35	31	27	28	9	0	0	16
7	0	0	0	0	0	0	5	9	8	23	28	30	30	25	23	22	22	21	19	22	17	13	8	6	14
8	8	13	16	13	6	2	5	8	10	11	9	11	25	28	27	34	31	28	24	24	24	26	25	25	18
9	26	26	25	24	23	20	17	11	****	****	****	****	20	20	14	2	5	5	2	3	4	2	3	3	13
10	4	4	5	6	2	0	2	2	5	4	2	3	6	13	23	21	9	6	3	1	0	0	0	0	5
11	0	0	0	0	0	0	0	1	2	3	6	7	6	9	9	11	13	9	7	3	0	0	0	0	4
12	0	0	0	1	5	2	1	3	7	19	22	33	35	39	41	46	43	34	22	17	18	18	9	8	18
13	11	19	17	15	14	11	11	15	16	20	34	38	39	38	38	37	39	36	31	19	18	13	14	16	23
14	18	19	18	17	14	3	1	2	8	15	24	29	35	38	50	43	33	23	15	6	2	1	1	6	18
15	12	8	6	14	11	5	1	2	6	12	15	16	21	20	23	25	27	28	9	12	21	13	14	14	
16	14	18	17	16	15	9	10	9	****	18	21	38	53	61	65	63	70	66	62	56	43	43	39	44	37
17	42	44	41	38	34	20	8	11	9	7	10	13	21	17	24	22	31	31	27	19	12	2	0	0	20
18	0	0	0	0	0	0	0	3	12	18	14	15	34	47	45	54	43	27	11	32	20	0	16	0	16
19	0	0	0	0	2	27	23	26	29	29	38	53	71	75	85	88	83	42	35	16	17	21	15	15	33
20	17	11	13	13	13	8	7	12	15	20	20	18	21	31	35	37	33	31	26	14	22	4	12	15	19
21	18	4	2	2	2	0	0	2	7	14	24	34	19	16	26	19	32	32	8	5	7	0	0	0	11
22	0	0	0	0	0	0	0	0	10	20	46	69	71	78	64	55	50	56	61	51	48	42	35	34	33
23	48	54	64	67	70	52	19	22	37	45	49	80	80	82	83	89	90	94	86	81	81	72	85	103	68
24	106	109	111	111	82	56	36	26	30	50	57	65	63	32	9	15	26	33	12	1	1	1	1	1	43
25	1	1	0	1	1	2	2	2	4	5	5	7	14	17	16	8	6	3	1	0	6	7	0	0	5
26	1	6	0	1	0	0	1	3	8	17	22	23	33	41	46	49	50	52	47	24	27	24	6	5	20
27	5	4	2	4	2	2	3	5	8	10	13	17	12	10	13	11	9	7	6	3	4	5	4	7	
28	1	3	6	8	4	0	3	10	18	20	24	26	28	32	36	43	45	57	56	46	27	18	20	26	23
29	27	30	31	27	24	14	8	7	12	21	25	27	26	23	21	24	23	22	20	5	1	0	0	0	17
30	0	0	0	3	1	0	0	0	2	3	13	19	23	23	22	17	18	21	10	3	1	4	9	15	9
31	6	9	12	16	17	11	5	5	5	6	11	14	19	30	39	40	35	28	33	16	11	0	0	0	15
MEAN	12	13	13	14	12	8	6	7	11	16	20	26	29	30	30	30	30	28	23	17	15	11	10	11	17.6

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON													MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	7	9	13	20	37	28	27	38	41	41	21	13	10	12	4	1	13
2	1	11	18	19	18	1	7	12	20	26	32	46	65	66	69	70	72	72	55	50	66	66	65	65	41
3	62	76	66	58	54	43	26	28	31	41	53	65	63	51	32	54	59	43	32	24	20	17	14	13	43
4	14	15	16	17	19	17	14	16	20	21	22	25	31	34	38	44	39	25	11	7	7	5	9	12	20
5	12	15	24	22	15	6	1	1	2	14	23	32	32	28	26	30	39	32	36	38	41	34	31	43	24
6	55	66	65	63	58	43	27	18	***	56	75	82	75	60	48	37	75	115	118	98	87	74	62	55	66
7	56	58	61	62	58	36	17	16	13	13	11	8	19	15	17	17	22	20	18	18	15	14	13	15	26
8	15	12	10	10	16	10	9	9	12	16	17	15	17	16	14	12	14	5	0	0	0	0	0	3	10
9	3	0	0	5	11	8	7	11	12	11	14	20	26	35	32	34	29	28	18	8	1	0	0	0	13
10	0	0	0	0	0	0	0	4	4	13	10	15	14	23	25	12	16	13	10	5	4	0	0	1	7
11	1	1	7	19	25	24	14	12	25	37	45	47	62	72	78	65	53	58	62	68	66	63	61	40	42
12	32	36	35	32	36	19	7	0	0	3	0	2	6	9	13	13	14	16	12	10	12	9	6	6	14
13	10	11	10	11	11	9	8	7	10	16	17	17	20	20	18	17	17	19	18	20	19	13	8	8	14
14	7	8	8	7	4	0	0	0	0	3	5	15	21	***	29	20	18	22	24	25	26	19	17	13	11
15	12	17	23	23	20	12	7	10	13	15	17	22	23	23	20	16	21	41	29	27	38	44	33	32	22
16	32	32	30	27	18	10	16	17	22	22	26	28	29	31	32	31	30	25	16	7	14	12	11	10	22
17	3	0	0	0	3	3	0	0	2	5	7	7	4	16	18	15	15	14	12	7	8	6	6	8	7
18	10	10	9	8	8	7	6	8	8	10	8	8	6	6	6	4	6	7	5	5	0	0	0	0	6
19	6	12	15	14	14	10	5	3	5	5	8	7	5	16	22	15	10	18	17	4	0	0	0	0	9
20	0	0	0	0	0	0	0	0	3	7	8	22	22	16	16	11	13	9	14	0	3	3	0	0	6
21	0	6	17	27	19	15	11	8	10	16	20	25	23	16	17	16	16	13	15	14	11	13	12	14	15
22	14	13	15	16	15	9	5	6	7	8	14	14	12	***	10	15	13	11	7	7	1	5	6	7	10
23	9	4	0	0	0	0	0	0	0	4	12	19	17	25	32	34	38	27	16	6	4	3	0	0	10
24	0	0	0	0	0	0	0	6	14	28	40	41	47	52	53	56	58	47	33	40	53	45	35	34	28
25	34	30	23	15	9	5	1	9	15	20	22	22	22	19	21	18	11	17	10	7	8	7	7	10	15
26	6	2	0	0	0	0	0	0	***	13	16	22	25	25	25	24	29	24	11	8	11	15	17	18	13
27	23	22	21	21	18	10	5	8	19	31	38	42	51	55	55	48	50	59	36	11	9	15	18	22	29
28	23	20	17	16	15	11	6	6	12	16	17	17	13	11	11	4	5	0	2	4	0	0	0	0	10
29	0	0	0	0	0	0	0	0	2	12	16	18	12	14	15	22	25	17	15	5	0	0	0	0	7
30	0	0	0	0	0	0	0	4	9	12	19	27	38	40	45	57	50	42	41	18	27	37	28	28	22
MEAN	15	16	17	17	15	10	7	7	11	17	22	25	29	30	29	29	30	29	23	18	19	18	15	15	19

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	23	20	17	16	16	17	16	15	15	19	23	22	21	14	18	18	11	2	2	5	11	20	21	16
2	19	18	13	14	13	13	6	6	12	8	10	14	20	31	32	14	9	8	0	4	4	0	0	0	11
3	0	0	0	0	0	0	0	0	0	0	2	5	4	8	11	10	6	4	3	0	0	2	3	10	3
4	16	16	17	17	13	10	6	4	4	5	5	8	7	7	7	6	6	5	4	4	4	3	0	0	7
5	2	2	5	4	2	0	0	0	2	4	6	6	6	9	10	10	6	6	0	6	15	8	8	11	5
6	6	11	12	10	9	4	4	1	3	4	5	8	8	8	7	5	8	4	2	2	3	3	5	5	6
7	5	5	6	8	8	7	6	7	8	11	11	14	14	14	11	13	14	10	7	7	5	3	3	2	8
8	0	3	7	9	8	7	6	9	12	13	13	13	13	13	11	11	12	8	5	3	1	2	0	0	7
9	0	1	0	0	0	0	0	0	2	6	12	15	19	19	20	20	22	20	14	15	14	18	16	17	10
10	14	14	14	13	12	8	3	2	7	12	17	18	20	21	23	22	20	10	8	5	0	0	4	1	11
11	4	0	0	0	0	0	0	0	2	9	9	13	18	18	22	18	17	11	16	17	14	15	18	15	10
12	18	16	16	22	20	12	6	6	***	13	11	17	20	17	20	14	21	21	9	11	6	5	2	8	14
13	9	10	8	6	5	0	0	0	4	5	8	10	10	7	12	9	11	6	4	7	6	9	8	10	7
14	14	14	15	12	14	9	11	9	7	9	10	9	11	10	4	11	13	16	13	11	14	11	6	0	11
15	0	0	2	3	4	2	1	5	8	12	16	15	16	15	14	16	12	9	5	1	0	0	0	0	7
16	0	0	0	2	4	2	0	0	0	1	4	5	7	8	7	9	11	9	5	1	1	1	1	1	3
17	0	0	0	0	0	0	0	0	0	6	9	11	13	7	7	5	4	5	2	4	3	0	0	0	3
18	0	0	0	0	0	0	0	0	0	0	6	6	4	4	5	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3	2	0	0	0	0	0	5	7	12	2
20	7	6	4	3	0	0	0	0	0	0	3	7	9	8	8	11	12	10	4	4	7	8	7	1	5
21	7	5	3	4	8	4	3	6	10	14	17	21	21	23	27	31	34	35	35	26	26	25	23	21	18
22	15	18	19	18	16	14	15	17	18	20	23	27	30	35	36	33	45	40	32	18	19	28	25	25	24
23	19	14	11	12	10	6	2	4	4	6	8	10	11	12	14	16	17	18	17	19	18	6	4	4	11
24	3	5	2	3	0	0	0	0	0	0	9	11	14	14	10	8	5	6	4	3	8	7	9	10	9
25	9	9	8	6	0	0	0	0	4	3	6	8	9	12	12	10	11	12	15	13	13	13	14	14	6
26	17	16	15	16	13	8	2	2	2	3	6	2	3	4	3	6	5	6	2	1	1	1	1	1	6
27	2	4	5	5	3	1	0	0	1	4	6	8	11	11	13	14	9	9	11	9	10	9	9	9	7
28	6	5	7	5	3	2	0	0	0	7	10	14	14	11	12	14	11	12	3	3	3	4	2	2	6
29	0	1	2	2	2	1	0	0	0	3	3	3	2	2	3	6	6	5	5	5	0	0	0	0	3
30	0	0	0	0	0	0	0	0	0	0	2	6	7	5	3	1	1	1	1	1	2	7	5	5	2
31	8	6	4	3	3	2	1	1	1	***	6	8	12	16	21	14	10	7	5	6	11	11	6	0	7
MEAN	7	7	7	7	6	4	3	3	4	7	9	11	12	13	13	12	12	10	8	7	7	7	6	7	7.9

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	4	6	4	1	1	1	1	1	3	6	9	6	4	8	12	3	1	1	1	5	2	1	1	3
2	6	9	8	11	9	6	3	3	3	7	9	11	12	12	13	9	3	0	0	0	0	0	0	0	6
3	0	0	0	0	0	0	0	0	0	0	5	7	5	4	1	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	5	7	11	22	28	30	28	17	14	6	7	5	5	5	2	8
5	0	0	0	0	0	0	0	0	0	3	14	22	28	28	33	36	31	18	29	32	31	31	28	31	16
6	32	31	31	28	26	21	8	10	3	3	4	7	8	6	7	6	8	12	13	12	13	11	3	0	13
7	3	6	5	3	5	9	3	3	4	***	10	10	11	9	12	10	8	5	1	4	6	6	3	0	6
8	0	0	0	0	0	0	0	0	0	0	3	5	7	7	7	6	3	1	2	3	3	4	3	2	2
9	5	7	8	10	11	11	8	2	3	5	7	8	9	9	9	7	5	1	1	0	0	0	0	0	5
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	2	3	6	7	9	7	8	7	7	8	4	5	6	6	3
12	7	7	8	5	4	4	2	2	2	1	1	2	3	3	4	4	5	5	6	2	1	6	6	5	4
13	8	11	11	11	10	9	3	5	4	3	0	0	0	0	0	0	0	0	0	0	1	3	2	1	3
14	6	6	7	7	8	12	14	3	5	7	6	6	9	8	8	5	4	3	4	5	6	5	5	5	6
15	9	10	12	10	10	9	6	4	2	3	4	6	9	9	9	7	6	3	1	0	0	0	0	0	5
16	0	0	0	0	0	1	2	0	2	5	6	8	9	7	10	8	6	6	2	5	6	6	4	2	4
17	0	0	0	0	0	1	1	1	1	0	0	0	0	0	2	7	6	7	7	8	4	5	6	4	3
18	4	4	7	7	8	10	10	13	16	16	15	13	14	14	15	8	6	6	4	6	9	8	2	4	9
19	7	10	14	15	15	14	11	7	16	21	20	20	19	18	17	14	11	7	6	1	0	0	0	0	11
20	0	0	13	20	18	19	14	9	8	10	8	7	5	4	1	2	1	0	0	0	0	0	1	4	6
21	10	9	6	7	6	5	2	0	1	1	1	1	***	6	10	10	12	9	13	15	10	6	9	8	4
22	9	12	11	9	5	4	3	3	4	6	3	6	10	5	4	6	3	5	3	2	0	0	0	0	5
23	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	3	2	1	0	0	0	0	0	0	1
24	0	0	0	4	2	0	0	0	0	2	2	4	5	4	3	2	2	1	2	2	3	4	17	14	15
25	16	17	23	21	19	19	13	17	19	19	21	23	19	22	20	16	19	16	18	17	24	23	20	22	19
26	25	22	23	23	24	24	21	21	21	18	18	15	11	19	13	10	9	13	11	1	5	17	15	14	15
27	17	17	14	18	18	15	10	11	9	10	9	10	9	6	5	3	2	0	0	0	0	3	7	7	8
28	8	3	7	2	4	3	1	0	1	3	2	6	11	7	6	5	6	6	10	8	10	5	3	4	5
29	3	2	2	3	4	3	2	0	2	6	10	10	15	11	8	7	2	2	1	1	5	5	4	6	5
30	8	6	8	10	11	10	12	9	10	14	13	19	21	21	17	14	8	9	7	4	8	3	4	5	10
MEAN	6	6	7	8	7	7	5	4	5	6	7	9	10	10	10	8	6	5	5	5	5	6	5	5	6.5

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	9	9	3	5	7	3	1	2	3	4	5	8	7	7	5	2	0	0	0	0	0	1	1	4
2	5	11	21	19	24	25	16	13	15	18	17	21	29	25	23	28	10	18	16	19	12	3	1	1	16
3	20	11	19	21	19	18	16	16	18	15	14	11	8	4	5	0	0	0	0	0	0	6	6	9	9
4	5	8	10	10	12	16	7	3	3	6	10	12	14	13	11	11	7	11	15	11	13	9	10	12	10
5	9	16	16	15	14	12	11	9	7	9	10	11	12	***	10	7	4	1	1	2	4	5	6	3	8
6	1	0	0	0	0	0	0	0	0	3	6	6	6	4	4	2	2	0	0	1	1	2	4	4	2
7	7	11	13	15	15	6	1	0	2	4	6	7	6	4	3	0	0	0	0	0	0	0	0	0	4
8	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	1	2	3	4	4	7	11	9	2	
9	11	6	5	7	11	12	12	13	15	16	16	18	15	14	15	14	12	10	12	12	13	15	15	15	13
10	15	13	12	13	16	17	14	13	12	14	16	18	21	19	20	21	16	11	14	12	12	8	6	4	14
11	6	6	8	9	9	9	2	1	1	2	3	6	8	7	3	1	0	0	1	1	4	4	2	2	4
12	3	3	3	0	0	3	3	2	1	3	7	9	11	12	12	6	2	7	5	5	5	6	7	7	5
13	6	7	9	12	15	15	12	10	11	10	7	8	8	11	12	8	5	5	7	10	13	15	17	10	10
14	21	23	24	23	22	19	8	6	4	8	11	14	13	13	12	9	7	9	9	8	7	9	11	13	13
15	13	13	12	12	9	5	4	4	5	8	10	11	12	12	11	9	4	3	6	5	2	0	0	0	7
16	0	0	0	0	0	0	0	0	0	1	4	5	7	7	7	4	0	0	0	0	2	4	2	2	2
17	2	0	6	20	20	22	23	23	20	22	20	23	21	19	17	17	15	15	14	15	14	16	16	17	17
18	18	18	19	19	18	15	8	6	3	3	5	8	10	13	11	9	8	5	9	15	19	17	17	10	12
19	6	6	9	11	12	13	7	1	1	3	7	12	17	16	11	2	1	1	4	5	3	4	1	0	6
20	0	0	0	0	3	4	4	4	1	0	***	1	2	2	1	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	1	5	9	13	14	14	13	17	13	14	10	6	4	6	5	4	4	6	6	7
22	7	2	2	6	8	4	3	0	0	2	7	7	8	9	7	7	6	5	8	6	3	6	13	11	6
23	15	14	13	16	16	11	7	5	7	11	14	13	16	14	10	4	0	0	0	0	0	0	0	0	8
24	0	0	0	0	0	0	0	0	0	1	4	7	9	8	6	4	2	3	3	4	2	2	2	2	2
25	0	0	0	1	0	1	2	0	0	2	9	15	12	18	19	18	20	21	19	18	18	17	16	10	10
26	19	17	18	17	14	14	10	6	11	14	15	15	19	16	13	14	12	8	9	9	9	11	11	9	13
27	11	14	16	16	18	16	11	8	9	9	11	12	11	14	14	11	7	6	8	10	11	10	8	6	11
28	7	6	8	7	7	5	6	3	0	2	14	11	14	13	9	9	5	0	0	2	0	4	6	6	6
29	0	0	6	15	16	9	6	1	3	1	0	3	4	6	5	8	8	11	11	8	7	7	6	6	6
30	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MEAN	7	7	8	9	10	9	7	5	5	6	9	10	11	11	10	8	6	5	6	6	6	6	6	6	7.4

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - OZONE-CHEMILUMINESCENT

## UNITS - PARTS/BILLION

## STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	11.3	23	32
FEB	27	16.9	26	55
MAR	31	24.1	49	84
APR	22	23.0	35	56
MAY	22	25.8	54	109
JUN	30	9.2	26	44
JUL	31	30.5	74	119
AUG	31	17.6	68	111
SEP	30	19.2	66	118
OCT	31	7.9	24	45
NOV	30	6.5	19	36
DEC	31	7.4	17	29
YEAR	347	16.3	74	119

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 40	51 TO 60	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	353	280	106	2	0	0	0	0	741
FEB	205	204	182	62	1	0	0	0	654
MAR	160	159	192	189	40	2	0	0	742
APR	71	164	195	133	5	0	0	0	568
MAY	158	102	89	107	70	6	1	0	533
JUN	444	204	50	18	0	0	0	0	716
JUL	197	127	103	160	114	36	3	0	740
AUG	358	137	100	89	35	13	5	0	737
SEP	270	216	84	80	61	3	2	0	716
OCT	507	192	30	12	0	0	0	0	741
NOV	572	104	32	10	0	0	0	0	718
DEC	497	222	23	0	0	0	0	0	742
YEAR	3792	2111	1186	862	326	60	11	0	8348

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.3	0	0.0	5.1	11.6	19.6	36.7	49.1	65.9	77.8	119	16.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH - JAN 78

STATION - C		COLLEGE OF VETERINARIAN MEDICINE																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	3	2	3	5	6	6	10	13	11	12	11	9	9	12	9	8	9	13	18	14	17	13	9
2	17	20	19	19	14	8	6	3	3	13	14	21	25	23	20	14	12	3	3	8	6	9	9	5	12
3	10	9	11	8	6	6	5	2	4	5	11	-	17	18	19	18	10	3	2	2	0	0	0	0	7
4	6	12	13	11	7	2	2	1	5	6	7	5	7	7	6	3	2	0	0	0	0	0	0	0	4
5	2	8	10	8	6	4	2	2	1	2	1	3	5	5	4	3	2	1	1	2	1	0	0	0	3
6	2	8	10	10	8	6	5	9	5	5	5	5	8	8	7	5	4	7	8	0	0	4	12	9	6
7	3	0	1	2	2	2	2	5	4	4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	3	6	3	3	2	1	0	0	0	0	0	0	0	7
9	14	17	17	20	21	20	19	15	15	17	19	20	22	21	20	16	11	8	9	13	16	14	12	14	16
10	16	17	17	18	21	17	10	11	12	17	20	23	25	23	25	27	19	16	17	19	19	20	18	16	18
11	17	10	9	12	16	26	24	9	9	11	8	10	13	16	11	20	20	11	2	0	0	0	2	2	11
12	4	6	9	13	14	11	11	4	0	0	3	***	13	11	4	0	0	0	0	0	0	0	0	0	4
13	0	0	0	7	10	12	13	3	2	0	0	0	2	2	2	1	0	0	1	4	4	5	7	9	4
14	11	13	16	19	20	19	16	15	16	18	19	18	19	18	17	15	13	11	8	11	10	12	9	15	15
15	10	11	9	12	18	21	14	5	4	13	21	21	25	25	24	23	19	13	7	12	12	10	14	8	15
16	6	9	11	17	17	19	17	5	4	8	11	12	20	17	14	12	8	6	4	2	2	0	0	0	9
17	0	0	0	0	0	0	0	0	0	0	3	4	5	5	3	3	4	5	6	5	10	11	12	3	
18	10	11	14	18	18	18	16	10	7	11	16	17	22	20	18	16	7	0	0	0	0	0	0	0	10
19	1	0	0	0	0	0	0	0	0	0	0	3	7	***	***	7	0	0	0	0	0	0	0	0	1
20	10	15	17	16	19	22	15	8	5	6	8	10	8	9	7	8	5	8	9	6	8	12	12	10	10
21	15	12	16	18	15	12	11	9	14	16	14	14	14	13	15	10	6	0	0	0	0	0	0	0	9
22	0	0	0	0	2	4	0	0	4	9	9	12	16	16	16	9	6	2	2	8	9	5	4	1	6
23	3	2	2	2	2	2	0	0	0	0	3	***	13	10	12	9	3	0	3	2	1	0	1	0	3
24	0	0	0	0	0	0	0	0	0	6	8	9	11	10	4	3	1	3	0	0	3	2	2	0	3
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	8	10
26	13	12	6	5	8	10	8	3	6	10	12	***	16	17	17	19	13	6	9	9	8	6	13	8	8
27	0	0	0	0	0	0	0	0	0	3	9	17	21	21	19	22	19	13	6	9	3	4	15	13	12
28	14	15	17	18	23	16	9	7	15	21	23	24	25	22	23	22	17	14	17	3	4	10	5	4	12
29	10	9	5	5	3	8	9	12	14	15	17	22	22	20	21	19	18	13	8	8	7	10	5	4	10
30	4	1	1	7	16	14	6	2	3	6	16	19	21	23	23	20	11	3	0	3	8	10	4	10	10
31	9	12	14	10	6	6	3	1	4	8	11	11	***	18	14	14	11	3	3	3	12	13	13	14	9
MEAN	7	7	8	9	10	9	7	5	5	8	10	12	14	14	13	11	8	5	4	4	5	6	6	6	8.0

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	19	18	17	15	8	7	0	3	6	****	****	24	26	23	26	18	8	5	6	5	8	4	0	12
2	4	1	7	2	0	2	0	0	0	3	9	9	12	12	8	12	8	9	4	3	4	3	2	4	5
3	4	8	11	4	4	4	0	0	3	6	15	19	24	22	19	11	9	6	3	3	2	2	0	8	
4	2	2	3	0	0	0	0	4	7	10	14	18	17	13	10	7	4	0	0	0	0	0	0	5	
5	0	0	0	0	0	7	17	15	6	16	17	22	17	15	13	11	10	8	6	8	8	18	11	9	
6	13	16	16	16	16	16	11	4	6	10	****	-	17	18	16	14	11	8	6	8	6	10	16	20	12
7	17	17	20	22	22	19	13	10	4	8	13	14	17	18	19	15	5	2	0	0	1	1	1	2	11
8	10	10	12	15	13	10	8	4	2	7	12	****	****	****	14	9	1	0	0	0	1	1	1	2	7
9	3	1	7	9	8	7	7	2	5	7	12	****	19	23	24	21	7	2	2	0	0	0	0	1	7
10	1	1	1	1	1	2	4	0	0	1	****	****	****	****	****	****	****	7	5	7	12	13	8	4	
11	3	1	7	8	9	8	3	0	2	3	5	10	14	16	17	14	12	11	11	10	5	2	4	7	8
12	12	11	11	12	14	13	13	15	17	13	13	13	11	14	15	15	14	11	10	9	10	5	5	2	12
13	1	0	4	10	15	13	12	6	3	5	8	****	****	12	10	6	7	7	4	2	3	4	1	1	6
14	1	3	7	8	6	6	5	2	3	5	9	13	14	16	14	14	13	7	1	0	0	0	0	1	6
15	2	1	1	1	2	0	0	1	2	3	9	16	20	17	16	15	15	12	10	11	6	5	4	9	7
16	15	14	14	14	13	15	5	1	2	2	2	****	10	13	13	12	8	8	5	10	14	15	7	7	10
17	15	15	18	8	11	14	3	3	6	11	14	14	14	17	18	17	14	9	2	5	2	1	1	0	10
18	1	2	1	0	1	0	1	2	4	6	11	15	20	18	18	22	21	17	8	6	5	5	5	1	8
19	1	3	1	2	1	0	0	1	6	9	12	18	20	20	18	15	17	15	12	6	3	2	0	0	8
20	1	3	1	1	2	3	6	1	3	2	2	****	14	17	23	18	15	13	7	4	6	1	0	0	6
21	4	11	14	15	13	10	4	4	5	8	13	12	19	22	24	21	19	13	6	3	7	6	5	7	11
22	4	8	10	10	8	8	6	1	3	****	****	****	****	20	23	23	20	16	9	9	7	9	10	9	11
23	11	14	6	6	8	10	0	1	2	5	6	8	23	****	29	23	22	7	24	17	15	12	19	11	12
24	1	7	8	8	9	13	15	9	9	14	20	23	28	28	27	23	9	5	3	8	12	13	12	17	13
25	12	15	23	24	25	20	14	6	8	10	13	13	13	16	17	20	20	8	3	8	7	5	6	2	13
26	0	3	7	9	14	20	10	16	22	26	28	29	31	30	29	26	25	22	18	18	16	11	11	13	18
27	2	3	8	2	7	5	2	2	7	15	23	25	27	28	29	24	22	15	16	10	6	6	16	16	13
28	11	10	1	2	3	3	0	1	2	8	12	18	24	27	26	27	32	29	26	26	23	19	20	27	16
MEAN	8	7	8	8	9	8	8	4	5	8	12	16	19	19	19	18	14	10	8	7	6	6	6	6	9.6

PERCENTAGE OF DATA VALID - 96.1 PERCENTAGE OF DATA INVALID - 3.7 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	0	0	13	22	23	9	4	5	8	25	24	35	37	38	40	37	16	8	6	2	14	11	9	17
2	8	11	6	6	10	18	14	4	8	9	25	27	32	***	31	33	33	28	8	11	8	6	5	6	15
3	13	0	0	0	2	7	13	16	16	18	20	17	16	11	14	17	16	18	9	12	12	16	14	21	12
4	27	23	25	32	34	37	22	23	26	28	28	29	32	31	33	31	29	26	21	17	8	11	10	5	25
5	2	2	3	6	8	7	5	7	18	26	30	32	36	36	37	39	39	38	39	25	28	24	17	16	22
6	24	21	22	28	30	11	1	2	3	5	8	11	14	17	12	30	29	19	12	11	7	6	6	8	14
7	15	18	24	27	29	26	28	13	9	14	21	26	27	27	29	29	21	17	13	3	2	0	0	2	18
8	6	13	11	9	7	4	1	2	2	6	18	21	29	31	30	25	18	14	11	7	0	0	0	0	11
9	0	0	0	0	0	0	0	1	3	6	13	-	-	25	22	21	30	27	20	23	24	11	3	1	10
10	16	6	2	2	5	3	0	2	7	****	41	43	51	50	62	62	44	29	23	15	11	12	9	6	22
11	0	1	3	13	17	7	0	8	19	35	36	37	36	41	55	55	49	32	20	28	35	40	36	34	27
12	37	50	74	81	81	59	50	48	51	59	55	52	49	40	39	40	43	39	20	12	4	6	2	1	41
13	3	4	2	0	1	0	0	2	7	12	****	27	29	25	26	26	29	30	33	39	37	29	25	17	
14	19	22	41	55	56	53	36	19	9	5	6	17	21	15	6	23	32	30	32	36	33	32	29	24	27
15	30	35	33	32	32	35	26	15	13	17	21	23	28	32	32	31	28	19	7	7	3	5	5	4	21
16	14	20	22	22	18	20	14	4	6	14	23	****	25	26	27	25	27	22	24	25	26	18	21	24	20
17	31	28	31	5	11	23	15	16	20	25	28	27	22	24	22	21	24	20	12	5	9	21	22	18	20
18	16	22	16	27	30	18	19	20	21	27	32	35	49	40	37	35	38	44	47	46	36	34	26	20	31
19	21	18	26	28	29	30	33	40	39	38	37	39	39	39	41	39	36	32	30	30	26	26	24	32	
20	22	30	31	27	26	23	16	8	22	31	30	30	36	32	30	31	34	28	26	27	27	27	24	13	26
21	5	1	3	8	2	14	7	1	0	0	0	1	1	2	3	13	16	10	15	13	18	23	28	24	9
22	33	41	31	38	41	43	40	26	25	30	27	****	22	20	16	15	6	2	3	0	1	1	1	3	20
23	16	23	29	34	30	26	8	7	15	25	30	33	35	38	37	****	25	22	16	7	4	2	17	22	22
24	27	28	29	29	30	28	25	24	27	29	28	29	31	34	35	32	30	26	21	16	8	6	10	10	25
25	9	9	9	5	6	6	7	8	24	31	27	26	29	31	31	30	27	25	25	24	25	28	27	25	21
26	26	27	28	33	35	35	30	28	27	24	25	24	23	20	20	19	18	19	17	19	22	22	22	19	24
27	21	21	22	22	14	10	11	6	4	8	11	9	14	18	16	20	19	15	13	3	6	5	7	21	13
28	16	24	20	24	21	18	6	2	3	6	3	6	9	10	12	7	8	6	3	1	0	3	1	4	9
29	1	2	12	21	29	29	21	18	18	21	25	25	23	25	26	25	25	22	11	8	5	7	9	9	17
30	16	11	9	7	9	12	7	4	5	7	9	13	19	****	****	33	30	30	20	16	12	7	8	6	13
31	5	9	3	6	12	12	10	5	4	8	17	20	28	22	21	22	19	20	22	23	26	26	27	25	16
MEAN	16	17	18	21	22	21	15	12	15	19	23	25	28	28	28	29	28	23	19	16	15	15	15	14	20.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
	STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - APR 78										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	17	9	1	1	0	1	13	17	27	41	40	37	27	27	24	23	24	24	23	24	25	26	25	21
2	28	27	28	30	31	32	31	31	34	33	33	34	36	36	36	34	30	27	19	1	2	1	0	26	
3	1	5	32	34	35	35	32	22	18	18	19	***	14	17	17	16	11	12	14	15	17	14	9	7	18
4	5	6	5	1	1	0	1	1	2	4	4	9	12	8	1	1	1	1	0	0	0	3	10	3	3
5	19	24	24	25	25	27	26	18	17	18	24	24	27	24	23	23	23	21	17	7	1	0	1	0	18
6	0	2	1	1	4	0	3	9	13	17	22	***	26	***	21	21	20	19	22	22	23	24	24	20	14
7	18	14	9	4	0	5	11	12	12	13	17	17	15	20	25	26	23	19	17	18	19	14	14	14	15
8	13	11	13	20	25	24	22	20	19	20	21	22	23	25	27	27	26	26	23	20	17	20	19	12	21
9	8	12	16	18	24	26	28	29	30	32	33	34	38	25	27	21	21	20	11	5	1	0	0	2	19
10	0	2	8	11	16	18	19	19	19	22	21	19	23	27	28	28	25	21	18	20	25	25	22	21	19
11	20	23	24	25	24	20	7	1	2	2	1	1	1	5	8	18	21	21	13	8	15	16	15	14	13
12	21	24	25	25	27	24	20	11	19	19	19	14	14	15	19	17	6	1	1	12	13	14	25	23	17
13	13	0	2	2	10	10	5	16	23	28	26	***	22	22	21	17	14	15	20	15	16	18	18	15	15
14	17	19	20	22	27	31	21	20	24	28	30	30	30	27	27	26	25	24	22	20	17	19	17	11	23
15	10	7	4	8	13	17	22	27	29	28	27	26	20	19	18	22	23	23	17	11	7	5	7	7	17
16	4	2	2	5	8	11	15	17	23	27	30	23	20	17	17	16	12	10	17	15	7	9	8	2	13
17	5	14	18	26	28	10	8	11	13	13	13	***	26	25	25	25	24	18	25	8	3	5	4	0	15
18	0	2	4	***	3	8	6	9	13	15	26	29	40	40	37	34	29	29	30	33	32	31	33	31	22
19	30	31	36	39	41	41	34	26	19	18	18	21	28	24	25	23	22	21	26	27	26	26	27	25	27
20	24	15	15	21	27	26	23	11	10	12	13	14	13	***	15	8	8	8	5	7	13	15	12	12	14
21	15	19	24	26	28	29	23	17	17	18	23	25	27	29	29	28	24	24	19	13	11	8	10	21	26
22	17	19	19	20	23	21	22	29	30	32	34	37	38	39	39	39	35	27	25	17	12	13	9	17	17
23	2	1	9	15	17	1	10	17	21	24	26	33	33	32	29	35	26	27	23	7	8	3	0	0	17
24	0	0	0	1	11	14	12	5	18	26	26	16	20	22	22	24	27	32	24	12	5	2	3	5	14
25	5	12	15	18	19	19	14	12	21	30	38	37	34	39	39	34	33	32	23	20	10	9	1	0	21
26	2	4	5	9	12	14	16	13	18	26	30	34	40	36	38	39	40	39	34	21	2	2	5	3	20
27	7	11	13	19	25	24	17	12	11	22	28	32	25	***	30	30	28	27	20	17	11	17	17	15	20
28	13	16	22	27	29	29	25	19	21	29	37	37	38	37	35	32	32	31	29	22	4	1	1	1	24
29	5	4	4	16	28	29	22	20	20	24	38	41	41	40	40	38	35	32	29	25	22	20	15	16	25
30	19	20	25	24	26	28	28	35	35	35	38	39	38	38	38	37	35	30	30	25	22	17	11	21	29
MEAN	12	12	14	17	20	19	17	17	19	22	25	26	27	26	26	26	24	22	20	16	13	12	12	11	18.9

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
	STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - MAY 78										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	26	27	28	31	28	21	17	20	21	23	26	***	27	25	24	24	26	22	21	15	14	10	3	22
2	5	16	9	19	21	16	14	21	25	28	30	31	32	31	31	28	29	29	25	21	19	9	17	21	22
3	29	31	31	24	29	17	12	12	15	18	***	23	23	28	35	35	33	34	33	24	22	15	5	10	23
4	9	16	25	30	26	22	15	22	27	29	***	32	29	29	30	30	29	29	28	24	19	19	23	25	
5	26	29	31	32	32	27	15	14	16	18	20	23	23	22	22	16	14	16	14	15	14	12	13	20	
6	12	16	9	13	16	11	8	7	8	9	10	6	5	4	5	3	1	1	1	1	1	4	5	7	
7	5	5	8	18	19	21	24	29	32	39	45	43	46	49	50	52	53	51	45	39	39	39	35	40	34
8	43	41	35	30	29	23	15	12	***	16	18	23	19	14	14	10	11	8	7	12	9	9	6	18	
9	10	17	6	4	3	2	4	5	5	8	21	26	30	34	35	32	30	30	31	24	19	9	12	27	18
10	27	28	29	26	20	23	19	19	26	24	20	20	22	22	26	24	24	26	28	22	15	5	2	2	21
11	2	1	4	0	0	0	2	6	8	14	19	30	34	***	35	34	19	25	30	15	7	7	2	0	13
12	3	5	19	28	32	35	22	2	5	6	7	18	12	8	4	19	28	30	26	22	20	20	25	26	18
13	25	26	33	33	33	32	33	34	36	35	37	31	29	13	17	30	30	16	22	12	16	26	30	37	28
14	37	36	42	46	48	48	47	44	42	38	36	36	37	38	39	42	39	39	42	47	48	52	53	54	43
15	54	56	53	51	49	45	32	25	26	24	***	24	30	30	30	25	21	18	13	14	18	25	25	26	31
16	31	31	29	28	27	25	17	14	16	24	25	19	22	25	28	28	30	24	12	0	1	10	11	21	
17	20	25	26	30	26	12	4	6	7	8	12	20	25	29	30	30	33	32	27	22	13	4	4	3	19
18	2	5	9	6	3	0	0	1	1	1	1	***	13	27	42	39	20	18	22	11	7	0	0	0	10
19	0	0	0	0	0	1	2	8	18	29	44	60	61	55	60	44	30	36	37	19	1	0	0	0	21
20	0	1	2	10	19	19	9	6	11	23	52	66	66	62	57	42	49	41	16	27	26	25	21	4	27
21	7	38	17	17	19	20	23	29	31	35	37	37	38	40	40	39	32	31	27	18	12	9	5	3	25
22	8	11	9	8	12	9	7	8	13	24	27	27	36	39	44	47	49	43	37	28	12	6	4	0	21
23	0	5	5	0	0	6	5	12	***	31	36	38	47	57	58	56	47	34	28	27	41	47	21	29	27
24	1	1	1	1	1	1	6	6	14	51	65	70	69	78	77	65	52	24	15	12	0	0	17	16	27
25	40	42	39	24	32	28	13	22	43	58	61	68	***	69	67	58	62	60	55	50	19	8	10	8	41
26	16	19	29	5	14	22	11	24	40	56	40	48	73	86	89	81	60	49	68	43	36	31	14	0	40
27	23	7	1	1	1	5	20	47	59	87	91	101	116	123	129	135	126	117	99	86	96	58	43	13	66
28	3	3	1	9	40	39	24	54	101	65	56	67	69	74	76	75	75	63	61	44	44	52	39	48	49
29	53	47	41	35	30	22	7	7	8	34	***	56	56	60	69	58	46	45	40	46	37	46	49	54	51
30	49	26	6	14	21	12	13	14	41	65	72	78	94	94	91	88	85	99	75	60	57	66	29	54	41
31	41	14	9	26	34	10	6	11	20	25	43	57	57	57	50	42	36	34	33	34	29	28	23	20	31
MEAN	19	20	19	19	22	19	15	17	25	30	36	39	42	45	45	42	39	37	33	27	23	21	18	18	27.8



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	18	20	17	15	12	13	9	9	7	****	30	33	45	51	51	45	28	30	41	37	23	5	3	24
2	5	2	2	6	3	6	4	5	8	14	39	31	32	35	32	28	20	17	20	11	9	7	3	15	15
3	20	21	23	23	23	22	21	15	23	34	36	49	53	49	41	43	40	38	31	26	17	13	9	6	28
4	4	1	0	0	1	8	13	24	29	36	34	37	35	41	50	46	39	32	37	31	16	24	28	20	24
5	14	16	17	32	37	29	21	24	24	23	****	23	28	23	26	26	29	29	26	20	7	6	0	0	21
6	1	0	3	0	0	2	5	9	12	15	24	26	19	21	24	29	32	23	9	3	3	1	24	32	13
7	20	0	2	5	2	6	3	3	6	12	3	4	5	6	8	6	4	7	5	1	3	2	4	4	5
8	2	5	7	12	0	5	9	6	11	19	26	36	****	38	20	21	14	14	17	7	5	3	2	2	12
9	6	20	24	28	26	19	10	14	23	29	35	37	34	39	37	39	38	36	31	28	13	10	4	3	24
10	3	2	0	0	0	3	8	12	28	20	25	32	40	53	46	38	39	43	31	10	0	8	21	52	21
11	61	58	60	52	43	45	42	37	45	57	64	77	80	74	82	83	85	86	81	75	72	63	62	60	64
12	62	53	45	46	37	24	21	26	37	45	****	73	68	60	59	60	29	15	20	15	23	12	6	10	37
13	12	16	15	15	13	10	7	8	10	13	13	15	18	21	23	24	26	28	29	24	13	15	13	13	16
14	17	20	21	22	19	13	10	16	27	29	31	30	29	28	26	26	21	23	21	17	11	2	3	12	20
15	20	25	27	27	27	22	12	18	23	35	38	33	****	****	55	53	55	52	47	22	8	1	0	0	27
16	0	0	1	2	8	2	2	4	15	31	38	43	46	59	54	51	46	37	31	27	22	9	10	10	23
17	6	0	7	17	23	21	23	19	30	33	36	32	43	45	47	49	67	69	70	61	53	58	55	52	38
18	46	42	31	14	27	30	25	23	28	39	48	58	60	59	52	49	50	46	43	36	28	24	19	7	37
19	24	21	23	21	24	22	5	2	5	9	****	29	23	26	48	51	53	40	37	30	15	12	7	5	23
20	3	0	1	6	12	13	7	14	28	38	37	48	52	56	93	71	90	78	85	95	83	59	38	2	42
21	25	21	13	3	7	17	13	15	2	5	13	31	40	38	69	66	53	30	35	23	17	6	4	9	23
22	11	18	22	23	20	13	13	17	25	30	34	31	29	33	35	31	35	42	40	29	11	6	3	10	23
23	12	23	25	21	19	14	11	13	****	20	20	20	20	21	16	17	13	12	7	9	2	1	1	1	14
24	0	0	4	11	15	17	12	17	13	24	31	35	44	34	30	33	29	27	23	18	9	9	3	0	18
25	0	0	0	0	0	3	5	17	31	53	60	47	63	81	81	71	77	81	69	67	57	44	23	47	41
26	42	48	39	36	39	34	22	12	19	16	****	31	44	66	53	46	48	44	42	43	23	15	36	35	36
27	25	13	11	6	17	15	4	11	19	26	43	65	73	66	56	55	56	58	52	45	31	29	31	37	35
28	40	36	35	32	24	18	13	15	21	27	30	31	33	31	29	30	31	25	22	9	6	3	2	24	24
29	5	7	9	18	27	21	12	18	31	43	****	-	-	-	31	35	41	36	30	20	20	26	14	17	23
30	26	27	31	28	23	17	9	10	16	22	28	32	36	38	39	31	30	30	25	12	7	11	6	4	22
MEAN	18	17	17	17	18	16	13	14	21	27	33	37	40	42	44	42	41	38	35	29	21	17	15	16	25.9

PERCENTAGE OF DATA VALID - 98.2

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	6	8	10	12	9	8	7	17	21	18	21	25	26	23	24	24	21	21	22	8	2	0	0	14
2	1	3	8	8	9	17	25	29	32	36	41	52	53	52	42	37	33	30	28	24	19	17	13	17	26
3	29	31	31	33	31	30	27	29	34	41	49	54	55	53	42	35	30	26	26	34	27	27	35	44	36
4	33	50	48	49	48	40	26	26	30	36	***	42	40	40	43	45	37	34	40	29	8	3	0	0	32
5	0	0	0	0	0	1	3	3	9	21	37	51	48	53	55	39	63	62	58	53	51	49	38	22	30
6	10	0	12	15	17	7	4	9	17	23	49	47	***	69	72	73	70	66	60	52	58	54	47	39	38
7	47	58	70	82	79	56	26	29	41	50	57	65	76	81	79	73	76	83	80	81	64	80	72	66	66
8	74	70	62	54	53	47	29	29	33	43	49	54	60	61	55	52	45	36	33	29	25	26	17	11	44
9	12	15	18	17	14	12	11	18	25	27	32	39	36	44	55	54	47	35	34	30	13	12	10	8	26
10	17	25	31	40	35	30	13	11	15	20	24	25	23	24	24	22	18	15	15	15	11	6	5	3	19
11	7	10	10	12	10	4	4	9	13	14	17	18	24	25	26	26	28	25	21	15	4	1	3	5	14
12	7	8	9	6	4	2	3	6	11	9	17	27	29	37	43	31	34	34	15	12	14	18	2	4	16
13	5	0	6	17	25	23	17	18	21	23	****	42	45	50	57	60	62	60	48	69	67	53	31	20	36
14	25	38	38	38	39	27	21	18	23	26	65	80	86	73	51	35	42	38	44	36	18	3	2	6	36
15	6	3	4	3	0	1	7	26	23	23	31	53	71	82	89	95	94	89	79	52	38	32	21	7	39
16	17	19	21	20	18	15	18	20	23	24	26	30	35	38	36	32	30	27	27	17	14	5	1	2	21
17	4	7	9	11	11	9	4	5	11	17	28	29	38	43	48	53	57	52	41	37	16	2	1	0	22
18	1	10	11	9	3	4	8	12	13	26	25	43	63	62	63	66	59	37	43	36	15	11	18	27	28
19	28	29	22	18	30	34	15	4	10	26	47	54	83	97	****	92	77	70	62	45	41	36	10	3	41
20	28	54	58	75	86	62	35	35	52	63	82	98	****	93	89	87	89	93	85	71	47	36	21	25	64
21	19	38	41	24	15	9	5	6	12	16	22	43	62	47	29	48	34	50	56	54	46	18	10	6	30
22	0	0	0	1	1	6	12	19	35	38	63	77	83	91	93	96	77	71	59	54	56	42	69	74	47
23	71	60	47	40	35	32	27	29	37	45	45	47	43	35	27	25	25	25	25	19	15	10	9	15	33
24	15	16	16	10	8	6	7	7	14	19	****	23	26	23	20	17	16	18	15	13	11	12	5	4	14
25	6	9	1	0	2	2	8	14	26	34	47	45	48	54	58	57	59	68	81	69	63	46	45	14	36
26	24	40	46	44	43	24	8	11	18	26	30	32	39	46	54	60	61	66	48	48	43	25	26	20	38
27	32	46	47	44	45	27	6	12	17	11	****	18	31	44	34	30	26	22	17	4	5	6	9	12	24
28	12	7	8	7	9	9	4	5	7	10	13	22	27	22	25	38	27	28	28	24	13	8	1	0	15
29	0	0	0	2	2	4	8	13	20	25	26	23	19	21	13	14	35	36	38	31	18	17	13	7	16
30	10	9	11	10	10	10	9	9	10	16	18	16	18	20	19	23	23	25	21	11	5	4	0	0	13
31	2	5	12	13	11	11	8	9	***	14	16	21	31	36	33	31	32	26	32	24	12	29	11	0	18
MEAN	18	21	23	24	23	18	13	15	22	27	36	42	45	50	47	47	46	44	41	36	27	22	18	15	29

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
	STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - AUG 78										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	2	5	14	26	30	32	39	51	69	73	62	59	63	49	39	13	5	2	26
2	0	0	0	0	0	1	1	5	17	39	52	59	78	79	63	47	43	52	57	58	62	61	40	42	36
3	55	44	39	39	35	32	24	7	5	7	10	15	31	34	38	37	45	37	26	20	13	12	12	17	26
4	18	18	21	21	21	17	5	7	12	16	17	19	16	26	31	27	26	26	31	14	5	2	0	1	17
5	1	0	0	0	0	0	2	4	17	21	22	30	40	38	36	42	49	54	58	50	45	41	47	25	26
6	5	0	0	0	2	0	0	24	19	72	78	59	68	73	78	82	90	94	78	70	55	25	3	1	41
7	0	2	1	13	35	37	31	29	35	58	63	70	74	75	78	75	61	64	61	45	42	42	18	33	43
8	9	20	24	27	30	12	10	6	7	16	22	27	46	49	56	64	74	89	71	60	51	40	39	42	37
9	48	53	56	55	49	36	30	12	15	15	13	25	21	26	21	20	23	20	9	7	2	1	0	4	23
10	6	10	15	16	16	11	5	8	9	17	20	24	24	25	21	20	18	13	11	3	4	4	1	0	12
11	0	0	0	0	0	0	3	2	11	17	20	23	31	33	33	31	23	23	23	19	13	2	0	0	13
12	0	0	0	0	8	12	16	8	12	17	30	51	71	73	69	69	89	93	84	73	60	43	38	29	3
13	23	18	12	10	6	11	21	33	25	26	50	68	82	105	108	92	94	88	72	61	18	0	1	2	43
14	0	4	6	10	11	3	3	7	23	27	37	59	82	84	97	106	89	83	55	62	57	39	19	21	41
15	45	42	34	39	17	24	8	9	15	20	37	59	86	96	104	113	92	35	19	6	28	39	35	46	44
16	51	36	39	39	35	30	18	14	13	****	****	30	48	52	39	55	53	53	34	36	39	38	34	32	37
17	41	38	28	25	23	10	9	8	9	9	****	9	18	21	20	19	18	15	4	2	3	1	5	15	
18	4	0	0	0	1	1	2	4	10	20	24	38	52	59	59	53	44	37	27	23	19	18	14	6	21
19	8	4	5	5	7	7	16	19	24	26	35	44	56	70	73	75	73	35	20	23	20	19	16	13	29
20	12	12	12	12	12	11	8	12	13	15	18	23	29	32	32	34	31	29	21	9	5	2	5	6	16
21	9	14	16	11	9	9	5	5	9	23	23	26	27	29	28	25	23	25	13	13	12	17	4	4	16
22	3	1	1	0	0	0	1	2	24	19	18	35	64	71	70	83	88	94	88	61	50	35	1	0	34
23	0	7	10	9	18	28	9	1	2	53	60	63	77	104	106	80	87	88	75	63	19	55	55	39	46
24	8	21	42	60	63	77	33	****	****	21	23	27	14	5	25	28	14	5	6	6	3	2	2	1	22
25	2	6	9	9	9	4	2	1	3	9	16	17	16	21	35	54	46	30	13	2	0	0	0	13	
26	0	3	11	18	21	26	16	16	24	27	29	45	55	59	58	78	74	63	57	44	3	4	4	1	31
27	0	0	3	10	14	8	8	12	21	24	25	27	27	27	27	24	21	23	23	23	23	22	21	21	18
28	21	20	20	19	18	10	3	3	6	****	****	19	16	29	33	35	40	40	34	38	34	20	27	29	23
29	29	28	28	27	17	12	4	4	8	16	18	24	30	29	29	27	22	22	16	7	1	0	0	0	17
30	0	0	0	0	0	0	2	2	5	10	16	22	30	22	25	18	14	14	11	4	6	10	10	9	10
31	12	16	17	18	19	13	3	4	4	10	17	23	29	****	21	21	20	18	13	4	0	0	0	0	12
MEAN	13	13	14	16	16	14	9	9	14	24	30	36	44	50	51	52	50	46	38	30	23	19	14	13	26.7

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
	STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - SEP 78										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	2	2	8	10	6	4	13	22	23	40	42	36	55	60	51	44	50	61	61	48	11	6	27
2	0	0	0	1	2	2	3	18	26	34	40	43	45	58	64	87	71	71	71	31	16	22	29	33	
3	43	50	55	57	44	36	37	44	50	48	55	61	70	85	86	95	41	24	13	6	9	11	8	6	43
4	10	10	12	11	12	11	9	9	14	21	26	29	34	43	40	38	34	17	3	13	8	4	4	19	
5	5	2	0	0	0	0	0	3	4	***	15	22	28	42	51	53	48	43	39	43	45	38	36	23	
6	27	18	24	32	36	38	14	14	23	27	33	68	62	55	52	51	32	35	14	45	62	44	48	49	38
7	51	49	45	40	35	24	9	7	***	9	9	14	19	19	23	21	17	17	14	12	11	11	13	13	21
8	15	14	11	6	15	15	13	11	13	13	13	10	10	12	13	12	7	3	0	0	0	0	0	9	
9	0	0	2	8	9	12	12	11	14	18	19	20	22	22	24	26	21	19	23	15	15	13	14	15	
10	16	19	20	23	24	24	22	20	19	18	20	11	17	24	26	26	20	17	17	16	7	5	0	0	17
11	0	0	0	0	0	0	0	0	0	4	14	17	50	58	68	69	59	44	22	3	3	1	17	12	18
12	12	3	23	29	21	11	4	2	2	3	4	10	18	19	23	23	17	12	8	4	3	4	3	7	11
13	8	8	13	13	12	3	0	2	10	14	18	18	20	20	21	20	19	20	19	18	20	23	24	25	15
14	26	26	23	20	18	11	4	4	6	11	15	13	13	15	21	21	13	13	12	6	23	23	18	15	15
15	14	12	7	18	22	5	2	3	***	14	13	18	22	23	23	21	21	15	16	31	23	14	27	29	17
16	25	29	27	24	19	15	9	10	14	17	20	24	27	25	23	23	20	16	10	8	5	4	2	0	17
17	0	0	0	0	0	0	0	4	9	9	10	10	10	9	11	16	17	14	12	8	0	2	0	0	5
18	2	8	9	18	21	21	9	7	9	10	15	12	12	10	8	7	10	12	13	4	2	2	3	8	10
19	12	15	14	15	18	13	7	1	2	4	12	19	25	21	14	15	12	5	7	4	5	19	20	22	13
20	10	8	15	16	13	12	2	2	4	8	***	21	23	***	25	19	25	8	15	11	0	0	0	0	11
21	0	0	1	0	0	0	0	0	2	9	15	13	13	9	6	10	8	7	5	0	4	4	1	2	5
22	4	7	10	10	10	6	0	0	3	10	10	10	12	10	13	11	8	5	3	0	0	0	1	1	6
23	0	0	0	0	0	0	0	3	5	15	23	28	31	31	28	28	30	16	12	13	10	14	16	14	
24	2	0	0	0	0	0	0	5	17	22	36	30	46	54	60	60	55	53	43	22	21	9	11	23	24
25	30	29	25	20	16	11	4	6	9	***	16	16	17	16	16	17	12	12	5	3	4	3	3	3	13
26	0	0	1	3	4	3	3	14	***	19	17	22	20	20	21	23	21	20	16	20	16	10	18	19	13
27	20	10	2	8	9	1	2	3	8	17	26	29	32	38	43	45	43	35	8	13	10	10	12	11	16
28	12	18	19	16	14	9	3	4	7	12	16	17	19	18	17	16	14	13	7	2	1	1	0	0	10
29	0	0	0	0	0	0	0	2	4	10	16	19	27	24	26	22	15	12	13	13	10	6	3	0	9
30	2	6	13	14	11	4	6	10	18	20	25	31	38	45	46	43	27	14	13	30	24	39	26	28	22
MEAN	12	11	12	13	13	10	6	8	11	15	20	23	27	29	31	32	27	22	17	16	15	13	12	13	17.0

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	34	30	19	11	13	10	9	13	17	23	24	22	23	20	22	17	15	3	3	2	2	1	0	1	14
2	11	12	11	10	9	3	0	1	10	13	17	17	20	20	22	26	19	22	19	15	12	7	0	10	13
3	8	12	6	9	20	12	7	12	16	18	15	22	25	20	17	14	15	23	20	11	11	2	10	12	14
4	13	26	24	20	25	15	4	4	3	3	4	8	11	13	11	9	7	4	2	0	0	0	0	0	9
5	0	0	0	5	5	0	0	3	4	****	6	8	9	15	6	10	7	9	8	7	9	26	12	23	7
6	26	13	17	20	18	5	2	3	5	5	5	5	8	8	10	11	7	7	3	5	3	4	7	7	9
7	10	12	13	16	14	10	13	17	19	19	20	19	16	17	14	13	10	7	6	9	12	10	4	6	13
8	7	9	12	16	14	13	13	14	16	17	21	17	21	17	19	20	15	8	4	1	2	0	0	0	12
9	0	0	0	5	0	1	3	4	10	17	21	22	26	27	23	21	18	12	4	9	4	6	2	17	11
10	16	11	14	12	7	4	0	4	9	****	****	14	15	13	17	11	7	13	12	6	0	0	0	0	8
11	0	1	3	0	0	0	0	****	12	21	30	31	22	14	8	6	10	16	17	8	18	31	36	12	12
12	31	27	26	26	29	16	5	7	11	9	14	18	17	15	28	26	18	10	13	18	10	5	0	2	16
13	6	2	2	4	6	0	0	0	2	5	9	13	14	11	12	10	6	5	4	4	8	9	8	10	6
14	11	11	11	10	13	9	9	6	4	5	8	9	10	13	12	12	14	7	5	5	5	2	0	0	8
15	0	0	7	10	14	15	11	5	12	15	18	20	20	21	22	17	18	13	4	2	2	0	0	2	10
16	11	14	15	11	8	2	0	2	7	15	18	****	21	19	21	17	11	6	0	0	0	0	0	0	9
17	0	0	0	0	0	0	0	0	0	4	9	14	13	16	17	13	16	11	11	11	5	4	0	0	6
18	0	0	0	0	0	0	0	0	2	4	3	5	5	5	2	2	0	0	0	0	0	0	0	0	1
19	0	6	6	5	3	3	0	0	0	5	9	11	10	3	2	0	0	0	0	0	0	4	7	11	4
20	11	7	4	2	0	0	0	0	2	7	14	15	15	14	12	9	6	7	6	3	2	0	0	0	6
21	0	0	0	0	2	0	0	4	8	13	18	23	25	25	26	28	30	29	11	12	17	13	16	24	14
22	24	21	22	20	18	15	14	16	21	19	20	25	31	35	34	28	29	30	37	16	25	12	12	3	22
23	23	20	18	15	11	7	2	0	1	3	****	11	13	16	16	13	10	11	9	8	8	1	0	0	9
24	2	7	3	0	0	0	0	0	6	3	9	****	17	16	17	9	6	6	9	9	4	11	10	8	7
25	10	7	3	0	0	0	0	2	4	4	6	8	10	12	8	9	6	2	8	11	10	14	8	7	6
26	10	10	10	9	4	0	2	2	1	2	4	9	9	9	6	8	0	0	0	1	0	0	0	0	4
27	3	10	13	6	7	3	0	0	5	****	8	5	-	-	-	-	-	-	-	-	-	-	-	-	****
28	0	1	2	0	0	0	0	1	3	6	16	17	20	20	15	13	8	4	2	3	2	2	0	0	6
29	0	1	0	0	1	1	0	1	2	4	6	9	12	15	14	14	10	4	1	2	2	1	4	5	5
30	8	13	14	15	15	13	8	6	10	11	12	13	15	17	14	8	3	0	0	0	3	5	2	1	9
31	5	4	2	2	3	0	0	0	1	2	4	9	****	22	13	14	13	8	7	11	5	6	7	2	6
MEAN	9	9	9	8	8	5	3	4	7	9	12	14	17	17	16	14	11	9	7	7	6	5	5	6	9.0

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	7	9	9	8	6	3	0	2	5	12	11	14	16	15	12	4	2	1	0	0	0	0	0	6
2	0	0	0	0	0	2	1	1	1	3	12	16	11	12	21	21	6	0	0	0	0	0	0	0	4
3	0	0	0	0	0	0	0	0	0	5	****	****	17	15	15	15	8	3	2	2	2	0	0	0	4
4	0	0	0	0	0	0	0	0	1	2	7	12	13	15	13	4	5	8	6	0	0	0	0	0	4
5	0	0	0	0	0	0	0	0	0	4	4	8	13	15	22	18	21	15	11	12	13	9	16	10	8
6	11	13	11	12	9	9	3	0	0	1	1	1	3	3	3	3	3	2	3	4	3	2	0	0	4
7	6	7	8	8	8	7	3	2	2	3	5	****	12	15	14	11	4	2	1	0	0	0	1	1	5
8	0	0	0	0	0	0	0	0	0	3	5	8	13	12	8	5	3	3	5	7	1	1	0	2	4
9	4	4	8	11	12	7	4	3	5	7	11	11	10	9	7	****	1	1	0	0	0	0	0	0	5
10	0	0	0	0	0	0	0	0	0	3	5	6	7	4	4	3	3	3	3	1	1	1	0	0	2
11	0	0	0	0	0	0	0	0	0	2	4	13	12	8	4	2	0	3	1	1	1	2	3	6	3
12	7	7	12	12	18	17	16	14	14	15	14	11	10	10	13	10	11	12	9	0	0	0	0	0	10
13	5	5	4	2	1	1	0	0	0	0	3	3	5	2	2	1	0	0	0	2	2	2	2	4	2
14	8	4	7	11	13	12	13	6	3	6	6	****	17	14	12	11	5	6	3	5	10	11	9	12	9
15	16	16	19	17	16	18	12	5	6	8	10	14	13	11	10	9	4	4	0	0	0	0	0	0	9
16	0	0	0	4	10	9	5	8	10	19	****	23	22	21	17	9	6	6	9	15	13	15	14	11	
17	18	18	17	17	16	11	6	4	4	4	3	4	4	4	1	1	1	6	6	8	7	4	4	7	
18	3	2	5	7	8	9	12	20	19	17	18	16	16	16	16	12	11	1	1	4	4	4	4	9	
19	4	7	8	10	13	10	6	11	25	23	23	23	23	21	18	18	16	12	8	7	8	9	11	15	14
20	20	20	20	23	22	20	15	9	7	11	13	****	16	13	14	6	6	5	7	11	6	8	13	15	13
21	13	10	10	15	16	12	7	2	2	4	6	7	11	10	10	6	5	6	3	3	3	1	1	1	7
22	0	0	11	13	12	14	9	6	8	10	12	****	12	11	7	6	5	6	6	8	6	8	7	4	8
23	4	4	5	7	6	4	3	1	1	1	****	****	0	0	0	0	0	0	0	0	0	0	0	0	2
24	0	2	2	0	0	0	0	0	0	0	5	****	6	5	4	3	2	2	2	3	8	12	12	13	4
25	15	18	20	24	22	17	12	14	14	14	16	19	16	16	13	11	7	6	7	3	3	5	7	6	13
26	13	10	11	12	15	13	12	14	18	20	19	20	19	16	15	10	5	4	0	0	0	0	3	16	11
27	20	13	10	7	9	21	16	18	17	19	21	****	13	12	10	7	4	5	4	0	0	1	1	3	10
28	3	3	3	1	1	1	1	1	1	3	7	7	7	4	2	3	1	1	2	5	3	0	4	3	11
29	7	4	3	1	2	4	4	1	5	7	9	****	8	7	4	5	3	3	3	3	2	2	1	1	4
30	2	1	2	6	3	6	10	6	8	13	16	17	18	17	16	15	9	6	6	7	3	4	3	0	8
MEAN	6	6	7	8	8	8	6	5	6	8	10	12	12	11	10	8	5	4	4	3	3	3	4	4	6

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	6	8	3	6	4	2	2	1	1	2	2	2	3	5	0	0	0	0	0	0	0	1	2
2	15	19	20	22	20	14	15	9	10	12	18	21	22	17	13	13	11	7	2	1	1	1	1	1	12
3	1	1	1	2	3	15	14	15	13	20	15	13	10	9	6	4	2	2	3	2	1	1	1	4	7
4	4	0	0	4	3	6	2	2	2	3	6	10	11	8	***	8	4	5	6	6	7	5	3	3	5
5	5	12	7	6	9	8	4	2	2	3	7	8	6	4	3	3	1	1	1	1	1	1	2	4	5
6	2	2	2	2	3	2	2	2	2	6	8	***	13	10	9	9	5	3	3	3	4	10	12	12	5
7	12	13	15	10	11	13	1	3	3	7	6	8	12	11	11	8	7	5	3	1	0	0	0	0	7
8	0	0	0	0	0	0	0	0	0	0	***	6	6	7	3	0	1	3	4	3	4	5	7	6	2
9	11	11	9	6	13	11	6	6	7	16	20	22	18	16	17	12	12	10	11	10	11	11	11	10	12
10	11	14	15	16	18	15	10	15	12	20	23	22	19	18	19	17	14	13	9	5	8	6	9	4	14
11	9	8	8	6	5	3	2	1	2	4	2	-	4	5	3	4	1	1	1	1	3	3	3	1	3
12	1	0	0	0	1	1	0	1	0	1	5	8	9	6	2	0	0	3	5	6	6	6	6	5	3
13	3	2	5	6	8	9	1	2	4	5	4	4	5	8	11	9	3	5	8	9	10	12	14	15	7
14	14	15	17	22	22	25	14	4	4	5	9	13	15	10	6	3	0	0	0	0	0	1	3	7	9
15	7	7	2	2	1	1	1	0	0	0	***	5	7	9	8	6	2	0	0	0	0	0	0	2	3
16	2	2	2	1	1	0	0	0	1	2	3	5	6	5	2	3	1	2	2	1	1	1	1	1	2
17	0	0	0	11	23	26	25	25	25	24	23	24	23	21	21	16	13	10	11	11	11	13	16	13	16
18	9	9	11	11	8	7	1	0	1	3	6	8	7	10	***	***	***	***	***	***	2	5	4	3	2
19	8	7	7	9	***	***	***	***	***	***	13	14	15	13	12	11	5	2	0	2	0	4	0	0	7
20	0	0	0	0	2	12	11	9	6	5	11	9	6	7	5	3	1	0	0	0	0	0	0	0	4
21	0	0	0	0	0	2	4	6	10	11	18	19	22	20	17	11	8	2	1	2	2	3	4	5	7
22	6	1	3	8	9	5	3	1	0	1	2	4	3	3	2	1	1	1	1	0	0	8	13	16	4
23	18	18	10	9	9	12	9	4	1	7	11	15	18	17	16	12	4	1	0	2	1	0	1	0	8
24	0	0	1	2	5	12	14	17	16	16	14	14	12	9	7	5	2	3	5	3	3	4	2	3	7
25	5	2	5	7	9	7	7	4	4	5	9	8	17	18	17	17	14	15	16	17	18	16	16	17	11
26	21	20	21	22	18	14	13	11	8	9	11	15	14	17	15	13	13	9	9	8	8	8	7	13	10
27	6	9	13	18	19	19	9	5	4	***	16	16	17	17	17	13	7	3	4	5	8	5	4	2	10
28	5	10	13	7	11	8	10	6	3	6	13	14	18	15	12	7	2	2	2	2	3	3	3	0	7
29	1	4	5	8	3	2	0	0	0	0	0	0	8	12	12	10	7	3	0	6	9	13	14	15	6
30	6	14	21	21	15	13	13	9	7	7	9	8	8	8	5	2	1	0	0	0	0	0	0	0	7
31	0	0	0	1	1	2	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	6	7	7	8	8	9	7	5	5	7	10	11	11	11	9	7	5	4	4	4	4	5	5	5	6.8

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT					UNITS - PARTS/BILLION				
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO									
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING					
JAN	31	8.0	18	27					
FEB	28	9.6	18	32					
MAR	31	20.0	41	81					
APR	30	18.9	29	41					
MAY	31	27.8	66	135					
JUN	30	25.9	64	95					
JUL	31	29.9	66	98					
AUG	31	26.7	46	113					
SEP	30	17.0	43	95					
OCT	30	9.0	22	37					
NOV	30	6.7	14	25					
DEC	31	6.8	16	26					
YEAR	364	17.3	66	135					

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	480	217	40	0	0	0	0	0	737
FEB	380	206	58	2	0	0	0	0	646
MAR	217	149	229	123	14	2	0	0	734
APR	164	216	235	97	0	0	0	0	712
MAY	166	132	181	159	74	14	8	0	734
JUN	174	137	151	159	73	13	0	0	707
JUL	166	136	136	160	111	27	0	0	736
AUG	230	140	127	107	100	25	7	0	736
SEP	282	220	105	68	35	3	0	0	713
OCT	442	214	58	9	0	0	0	0	723
NOV	509	179	19	0	0	0	0	0	707
DEC	534	167	26	0	0	0	0	0	727
YEAR	3744	2113	1365	884	407	84	15	0	8612

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.3	0	0.0	5.4	12.3	21.0	38.5	53.1	70.4	81.4	135	17.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	11	12	6	11	14	11	8	8	10	10	12	14	14	12	14	14	8	10	12	16	15	12	11	12
2	13	13	15	14	8	5	4	3	4	12	12	13	15	15	12	10	4	3	3	5	6	5	4	3	8
3	5	5	6	5	4	2	0	1	4	***	5	13	15	15	11	5	1	2	1	0	0	1	1	5	
4	4	9	10	6	3	1	1	3	6	8	8	8	7	7	6	3	0	0	0	0	0	0	0	0	4
5	1	4	5	4	4	3	0	0	0	1	2	2	3	4	1	0	1	0	1	1	0	0	0	0	2
6	0	4	7	7	8	9	7	7	5	5	7	7	9	9	8	4	6	9	13	4	7	7	11	12	7
7	8	1	7	10	3	0	3	7	8	5	6	5	0	0	1	1	1	0	0	0	1	2	1	0	3
8	0	0	0	1	1	3	2	1	1	1	0	0	1	3	4	1	0	0	0	0	0	1	3	1	
9	9	10	12	14	14	13	13	11	7	8	12	13	16	14	14	11	6	3	6	7	9	9	9	7	10
10	10	12	12	14	16	9	6	4	6	11	11	***	16	17	18	17	14	12	12	13	13	14	14	11	12
11	7	12	5	6	8	16	12	6	2	4	6	8	11	7	6	10	8	1	0	0	0	0	0	0	6
12	1	5	5	8	9	5	2	0	0	1	1	1	7	5	1	0	0	0	0	0	0	0	0	0	2
13	0	0	1	9	10	10	2	1	1	0	0	2	1	1	1	0	0	1	2	2	3	3	5	8	3
14	13	15	16	16	13	10	9	9	12	13	13	14	16	16	12	12	9	8	5	4	8	10	10	12	
15	6	6	6	7	9	10	7	3	6	12	15	17	18	17	16	12	8	6	2	4	4	6	7	5	9
16	2	7	10	9	6	8	6	2	1	2	4	7	5	5	2	1	2	3	1	1	0	0	0	0	
17	0	0	0	0	0	0	0	0	1	5	4	6	8	9	***	3	2	0	2	5	11	12	12	12	4
18	12	11	12	15	14	12	8	2	3	***	10	12	15	12	11	6	3	0	0	0	0	0	0	0	7
19	0	0	0	0	0	0	0	0	0	0	0	1	3	8	3	2	2	0	0	0	0	0	0	0	3
20	17	19	20	21	20	18	8	2	2	2	2	5	6	6	6	5	6	7	7	8	10	9	9	9	9
21	7	7	9	9	11	12	8	11	11	12	15	14	11	11	10	7	5	1	1	0	0	0	0	0	7
22	0	0	0	0	3	6	2	1	2	5	7	12	13	12	11	7	6	3	2	3	6	2	2	1	4
23	1	0	0	1	2	1	1	0	0	1	3	***	15	11	8	8	5	1	3	3	2	2	1	0	3
24	0	1	3	1	2	2	0	0	0	3	9	11	12	11	8	2	0	1	8	2	7	5	1	0	4
25	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	2	3	5	9	9	10	2
26	11	10	4	5	6	9	8	4	5	10	12	***	13	14	16	15	17	16	14	16	19	12	4	12	11
27	12	3	3	4	10	7	6	4	3	3	8	***	12	13	13	10	5	2	2	3	4	4	2	4	6
28	9	7	12	9	12	8	10	6	8	13	16	17	21	21	18	20	14	11	8	3	5	8	6	7	11
29	8	6	3	4	3	5	6	6	8	11	13	17	20	18	16	17	12	9	7	6	6	7	5	0	9
30	3	0	0	4	9	7	4	1	4	5	12	14	17	18	19	13	7	3	0	0	3	2	2	3	6
31	4	6	9	10	7	3	0	0	0	2	5	5	10	7	7	***	8	0	0	2	6	8	5	7	5
MEAN	6	6	7	7	7	7	5	3	4	6	7	8	11	10	9	7	5	4	4	4	5	5	4	4	6.0

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - C NO 31105					HYDRO 55 SHERBOURNE/WILTON ST. TORONTO										MONTH - FEB 78									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		9	11	13	10	8	4	3	3	3	4	8	11	15	21	16	19	11	2	4	2	1	5	3	0	8
2		4	0	0	0	0	0	0	0	0	0	6	11	11	10	12	6	3	2	0	4	3	0	0	2	3
3		3	4	6	0	0	2	0	0	0	3	6	13	17	15	14	11	5	2	2	1	0	0	0	4	4
4		2	2	2	4	3	2	0	0	3	6	7	12	13	12	12	10	7	2	0	0	0	0	0	0	4
5		0	0	0	0	0	13	15	17	10	5	10	20	22	15	13	12	7	2	0	0	0	0	0	0	9
6		14	12	14	9	11	8	7	1	2	6	10	12	15	15	9	7	5	2	3	4	6	13	12	13	9
7		15	17	18	18	18	11	9	6	4	7	11	14	13	12	11	5	4	0	0	0	0	0	0	3	8
8		4	5	6	6	6	4	3	0	0	5	10	***	14	17	15	9	5	1	0	0	0	0	0	2	5
9		1	2	3	7	8	2	2	1	2	4	10	15	17	20	21	18	9	4	1	1	1	3	4	3	7
10		0	0	1	1	2	3	2	0	1	2	4	5	11	11	10	9	7	7	0	4	7	11	12	4	5
11		1	1	3	11	9	6	3	1	3	7	11	13	17	22	22	13	11	8	13	13	7	7	2	3	9
12		9	12	13	15	11	9	10	11	17	15	16	16	10	21	21	19	17	15	8	10	12	9	5	4	13
13		5	0	5	13	17	17	12	4	6	8	15	***	15	16	16	13	11	13	11	10	4	4	1	1	9
14		2	1	3	5	7	3	1	0	1	4	5	11	19	16	13	15	15	8	0	0	1	1	0	0	5
15		1	1	4	1	0	0	0	0	1	4	9	18	27	24	21	16	13	6	10	15	6	8	1	9	8
16		24	21	22	23	24	23	7	0	2	2	2	4	11	13	14	18	5	13	2	7	16	18	13	10	12
17		22	22	25	26	17	9	3	1	5	10	11	15	17	17	15	13	16	9	2	6	7	2	3	1	11
18		6	2	1	0	1	2	0	2	3	5	9	8	16	20	20	21	22	15	9	7	5	8	6	2	8
19		2	2	1	1	1	4	0	3	8	12	18	22	26	24	21	16	17	17	7	6	5	6	1	0	9
20		6	5	3	6	5	2	1	0	1	2	5	8	20	26	27	22	15	19	8	2	7	0	0	0	8
21		3	10	22	22	8	7	5	3	4	9	12	10	17	25	24	23	16	11	9	3	10	8	6	4	11
22		3	4	7	10	10	8	5	3	5	11	15	16	16	20	20	15	13	9	6	6	6	8	3	1	9
23		5	6	5	11	8	5	3	1	2	3	4	6	12	20	23	19	12	12	9	8	9	7	7	3	8
24		0	2	6	7	7	9	5	1	1	***	7	19	18	20	18	12	3	3	4	5	10	7	9	8	8
25		4	5	12	22	22	13	5	7	12	15	17	16	15	14	17	12	13	9	4	5	6	4	2	1	11
26		2	2	4	8	10	12	9	10	16	20	22	24	24	25	24	21	19	12	10	8	8	5	5	6	13
27		3	0	1	5	5	1	2	3	6	11	16	19	***	17	17	16	10	6	7	7	7	5	5	4	8
28		3	1	1	2	3	1	0	1	2	2	12	18	23	27	31	22	14	7	7	15	19	22	9	6	10
MEAN		5	5	7	9	8	6	4	3	4	7	10	14	17	18	18	15	11	8	5	5	6	6	4	4	8.3

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO														MONTH - MAR 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	0	0	7	9	10	7	2	1	8	17	22	22	27	30	31	26	14	3	5	2	7	9	6	12	
2	8	10	4	5	8	13	6	3	5	10	14	23	26	25	24	22	23	11	6	5	3	4	1	3	11	
3	4	0	0	0	6	12	9	6	8	14	13	12	11	9	9	10	7	2	4	5	3	5	7	7		
4	4	5	8	11	12	11	6	7	8	9	9	9	10	10	10	8	6	6	3	2	1	1	2	1	7	
5	0	0	0	1	0	0	0	1	2	3	4	4	5	5	5	4	4	3	3	1	1	1	0	0	2	
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	5	7	9	10	11	12	7	4	4	10	12	16	19	20	21	17	12	9	6	3	1	1	1	2	9	
8	10	6	2	2	0	0	0	0	4	11	14	15	20	24	20	16	15	9	8	9	0	0	0	0	8	
9	0	0	0	0	0	0	0	0	3	5	8	20	***	31	25	32	35	34	10	11	10	5	6	16	11	
10	8	3	6	4	4	0	0	0	6	12	22	30	34	39	48	43	37	15	4	0	0	4	0	0	13	
11	0	0	0	17	25	1	0	5	24	30	35	32	35	41	53	56	39	14	32	23	17	15	24	21	22	
12	30	51	64	58	65	31	30	36	31	36	37	32	35	30	28	34	31	28	14	2	2	2	0	0	29	
13	0	2	0	0	0	0	0	0	3	5	10	22	20	19	13	21	24	12	27	32	42	36	19	18	14	
14	18	22	44	43	36	27	9	7	3	0	0	4	24	12	3	12	11	7	11	16	18	19	9	16	15	
15	18	21	19	19	18	21	15	5	5	7	11	11	22	21	***	17	14	10	2	1	0	4	3	5	12	
16	7	9	9	8	12	10	4	2	6	11	14	13	13	13	12	16	14	11	7	16	9	13	13	11	11	
17	17	25	26	11	26	18	9	6	12	***	17	13	20	19	20	16	12	10	6	1	4	12	15	7	14	
18	8	11	12	20	12	9	5	10	12	17	13	11	28	23	20	19	34	43	38	27	39	28	19	18	20	
19	18	10	10	15	19	21	9	15	20	26	22	25	27	26	28	26	24	23	19	17	17	15	11	13	19	
20	15	21	16	15	13	11	2	6	16	18	17	***	29	25	29	22	22	15	24	32	34	28	20	10	19	
21	5	7	6	9	6	2	0	0	0	0	0	0	0	0	1	7	6	9	13	9	21	19	16	20	7	
22	29	23	26	35	30	22	7	4	12	***	15	22	15	11	11	8	3	0	3	0	0	0	0	7	12	
23	13	19	22	22	14	3	0	6	12	22	25	25	***	28	***	20	17	11	6	3	3	3	12	18	14	
24	19	19	23	22	25	27	22	22	26	28	27	27	29	31	36	31	27	20	15	7	4	6	0	2	21	
25	3	3	8	4	1	1	7	24	27	22	29	29	32	32	28	24	26	34	33	33	33	31	30	30	22	
26	30	29	32	36	33	30	27	23	24	23	22	18	20	22	21	19	20	22	23	25	27	28	22	21	25	
27	26	26	24	22	12	5	6	0	3	6	5	8	8	11	9	12	9	8	5	1	7	4	2	13	10	
28	12	15	6	10	22	24	6	7	12	***	***	6	5	2	3	1	3	3	0	0	0	0	0	0	6	
29	0	0	7	15	20	16	12	11	14	16	19	18	17	15	16	14	10	7	4	4	7	6	6	11	11	
30	5	5	8	9	9	8	4	4	5	7	11	17	20	16	15	21	17	14	11	4	5	0	0	0	9	
31	2	4	2	0	2	0	0	2	6	8	13	17	22	20	14	21	23	25	23	23	28	25	25	27	14	
MEAN		11	11	13	14	15	12	7	7	10	13	16	17	20	20	20	20	19	14	12	10	11	10	9	10	13.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	12	4	0	0	1	4	8	21	32	34	26	22	22	21	18	17	18	18	18	19	17	17	15	16
2	18	18	19	23	25	25	26	26	28	29	30	32	34	34	34	34	30	27	20	7	3	0	1	0	22
3	16	12	30	32	30	28	16	10	11	15	15	9	6	7	8	8	8	9	13	15	23	19	13	8	15
4	7	10	9	11	6	2	1	0	1	3	4	4	8	4	2	1	1	0	2	0	0	0	1	9	4
5	13	16	18	20	19	20	15	12	12	13	15	17	16	14	13	14	18	13	13	9	3	3	2	4	13
6	1	1	1	1	2	1	2	4	10	16	17	18	18	22	21	19	17	17	24	28	28	27	23	14	10
7	18	17	13	3	2	2	4	7	6	10	11	8	6	13	15	14	15	13	11	10	12	10	12	7	10
8	6	6	9	11	17	16	14	12	12	13	14	16	18	17	19	20	19	18	16	13	12	11	10	6	14
9	4	12	16	20	19	20	26	26	26	26	25	23	21	20	18	16	19	13	6	9	7	6	2	17	10
10	9	9	11	13	15	15	13	6	13	20	20	19	23	25	26	25	22	20	22	22	27	22	23	21	18
11	24	24	24	24	24	24	22	0	0	0	0	0	****	5	11	16	8	5	3	2	8	4	0	2	10
12	11	17	23	18	21	8	4	7	10	17	18	8	13	13	9	10	3	1	1	6	19	4	2	0	10
13	0	3	6	4	3	2	1	9	15	****	15	14	17	12	12	7	5	14	12	9	12	12	10	9	9
14	12	12	6	14	24	19	12	12	15	19	19	20	18	18	16	****	15	13	15	11	9	13	7	3	14
15	2	4	3	9	6	13	19	21	21	20	18	14	14	14	16	16	14	13	10	5	4	4	2	11	11
16	4	1	1	5	3	10	10	13	21	18	13	14	18	21	14	18	6	9	7	0	1	7	7	3	9
17	13	20	22	15	23	19	11	8	4	8	18	12	17	16	16	19	12	15	11	0	2	6	4	0	12
18	0	0	0	0	0	3	8	12	16	10	16	23	****	37	26	23	29	30	30	32	28	30	26	22	17
19	24	23	25	31	33	29	21	14	15	15	18	23	22	22	20	20	22	25	25	24	24	24	25	24	23
20	24	14	16	21	21	13	6	4	5	6	8	11	10	5	5	2	2	2	1	3	4	5	5	5	8
21	11	11	16	17	17	16	11	7	10	13	13	****	22	19	19	14	13	14	6	3	3	2	7	9	12
22	18	12	16	14	10	11	18	23	24	26	26	29	32	29	36	34	31	25	19	9	5	2	5	2	19
23	4	4	7	16	1	0	11	17	21	26	25	27	24	30	24	32	22	13	2	2	0	0	0	0	13
24	0	0	0	3	6	4	2	7	14	20	17	21	26	20	22	20	9	15	7	3	3	1	0	0	10
25	2	6	9	9	10	6	4	10	24	28	25	19	27	27	24	23	20	20	8	7	8	2	0	0	13
26	0	0	0	1	7	9	6	12	19	14	19	24	29	27	****	24	30	19	11	7	2	2	2	3	12
27	3	2	7	13	18	11	5	1	7	9	17	23	24	19	16	15	11	5	15	10	11	9	6	4	11
28	14	13	21	21	19	17	11	5	12	18	26	26	28	25	20	20	18	21	18	8	1	1	0	2	15
29	5	2	6	19	19	17	16	11	12	16	31	34	33	28	30	29	25	23	19	15	11	9	9	11	18
30	16	20	20	19	21	21	24	27	26	28	29	28	31	30	27	27	26	22	19	14	14	9	7	15	22
MEAN	10	10	12	14	14	13	11	11	14	17	19	19	21	20	19	19	16	15	13	10	10	9	8	7	13.7

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	21	21	20	19	14	10	10	14	14	14	----	17	21	16	20	17	20	15	15	10	12	9	2	15
2	3	13	12	22	17	10	8	14	13	20	25	23	24	24	22	22	23	22	15	17	12	8	10	14	16
3	23	20	15	16	16	4	5	6	----	15	22	26	28	23	30	24	28	30	22	16	14	5	8	2	17
4	12	32	29	23	19	6	14	20	23	22	----	24	20	22	25	28	30	33	32	30	29	20	21	24	23
5	28	29	29	18	27	12	8	9	13	13	16	18	17	19	18	18	21	22	18	20	18	21	20	19	19
6	22	24	20	15	16	12	10	8	13	11	11	6	5	3	5	3	5	0	0	0	0	4	5	8	
7	2	3	7	9	18	18	20	25	28	22	19	31	27	38	36	42	46	50	42	44	46	36	35	46	29
8	44	34	30	22	15	6	6	7	12	14	15	----	11	5	6	4	6	5	11	13	11	0	9	5	13
9	2	4	22	10	0	0	0	0	3	12	25	24	24	20	25	15	12	10	7	11	6	7	7	5	10
10	6	8	23	17	14	10	9	15	17	----	15	14	14	18	16	19	20	18	18	6	2	2	0	0	12
11	0	3	0	0	0	0	5	9	11	16	20	18	13	19	21	22	26	29	21	4	2	0	0	0	10
12	0	7	26	26	21	7	3	2	4	6	----	10	4	5	3	6	15	11	20	17	12	11	16	19	11
13	23	30	31	29	28	29	34	35	36	38	37	36	35	25	38	34	26	13	2	15	19	33	37	43	29
14	41	39	42	45	44	45	44	45	38	39	38	38	36	39	39	40	36	40	42	44	46	46	47	47	42
15	49	48	45	44	40	29	17	20	20	19	18	21	----	32	25	25	23	16	20	23	29	23	23	26	28
16	24	29	26	25	24	14	11	11	18	18	12	13	23	28	21	13	25	19	11	0	0	2	7	13	16
17	15	20	21	20	13	2	7	9	7	4	13	----	18	25	26	31	32	22	20	21	7	7	3	3	15
18	0	1	0	0	0	0	0	0	0	5	9	11	12	27	13	4	14	6	4	3	0	0	0	0	5
19	0	0	0	0	0	0	0	0	2	3	14	27	26	37	46	38	31	25	24	13	0	0	0	0	12
20	0	0	0	0	0	3	2	4	7	14	33	33	44	46	34	20	26	23	12	8	4	5	8	2	14
21	5	26	12	13	13	14	17	24	23	26	27	27	23	28	30	30	20	22	20	15	11	6	3	1	18
22	5	9	4	2	1	0	1	7	10	13	17	15	18	24	28	26	19	18	6	3	2	0	0	0	10
23	0	0	0	0	0	0	0	8	15	22	----	25	27	47	36	46	37	23	23	13	20	16	0	0	16
24	0	0	25	10	11	0	2	4	18	18	39	39	39	49	54	35	32	42	18	5	0	0	10	23	20
25	19	31	29	9	22	9	5	19	38	45	52	52	----	29	39	38	41	8	5	30	25	21	14	5	25
26	0	0	0	0	0	0	3	13	6	13	17	23	59	48	52	32	34	16	9	3	0	0	0	18	14
27	28	3	39	36	18	36	31	51	48	59	58	63	74	86	89	93	89	84	73	64	79	15	20	12	52
28	0	0	7	38	42	34	36	54	58	64	54	52	57	46	44	48	42	41	46	31	37	14	5	6	36
29	0	0	13	37	34	17	5	7	20	29	31	38	38	36	27	18	32	26	30	39	42	26	30	25	30
30	15	2	0	2	3	2	3	16	38	35	39	42	41	52	----	38	46	55	47	32	62	25	33	54	30
31	50	44	44	60	25	0	2	5	9	19	34	48	38	34	31	25	22	23	23	23	23	22	20	15	27
MEAN	14	15	18	18	16	11	10	15	19	22	26	28	28	31	30	28	28	25	21	19	18	12	13	14	19.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
	STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO														MONTH - JUN 78										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	12	11	11	9	8	6	7	9	9	13	13	13	27	17	17	16	20	30	28	27	15	7	7	14
2	5	9	8	3	2	1	2	5	3	7	14	13	***	23	20	17	13	14	17	11	6	0	3	15	9
3	12	19	17	15	19	22	20	15	24	31	36	45	47	29	41	32	40	34	30	20	19	13	7	7	25
4	3	3	0	0	0	1	3	13	27	24	32	40	22	41	48	45	27	45	16	20	16	20	23	29	21
5	20	12	7	24	27	25	19	22	21	20	***	23	20	20	22	23	26	28	22	18	11	3	2	0	18
6	0	0	0	0	0	2	3	10	13	25	24	23	17	23	29	41	31	27	23	9	7	6	2	2	13
7	6	3	0	0	0	0	0	0	1	3	***	3	4	4	8	6	11	15	10	2	19	4	9	20	6
8	9	0	15	6	3	0	2	3	7	7	6	22	40	26	16	19	13	13	12	7	4	2	0	2	10
9	5	14	16	19	19	8	8	11	16	20	25	17	18	26	26	28	28	27	22	15	9	6	3	1	16
10	1	0	0	0	0	0	4	17	20	12	18	23	29	39	34	30	37	41	34	13	3	0	4	13	16
11	21	36	40	37	18	23	26	29	36	43	53	57	65	62	72	67	68	60	65	39	30	18	22	30	42
12	43	35	31	30	22	8	6	10	16	29	***	61	52	47	54	38	17	15	19	13	22	10	8	10	26
13	9	11	11	12	11	7	5	6	7	10	10	11	15	18	18	20	22	25	24	20	11	13	10	10	13
14	12	15	17	16	14	11	8	14	22	25	26	26	***	25	24	23	23	21	19	16	7	0	0	8	16
15	17	20	23	23	20	15	7	15	21	29	18	34	44	29	47	40	43	24	21	17	7	2	0	0	22
16	0	3	5	8	2	1	1	5	***	22	23	26	27	33	34	42	50	39	36	39	36	5	11	3	20
17	6	6	7	12	7	2	5	12	14	21	27	35	31	38	50	39	46	31	43	19	21	27	19	30	23
18	45	43	46	29	11	14	10	22	23	40	44	47	29	49	47	42	42	41	38	28	24	22	18	11	32
19	15	8	16	13	5	4	4	1	3	3	***	4	29	29	35	52	31	33	17	22	12	8	0	0	15
20	0	0	0	0	0	0	0	5	16	9	42	44	45	47	77	55	60	44	56	80	49	38	15	12	29
21	23	5	14	1	1	8	12	4	1	8	12	15	24	28	32	39	27	32	22	17	12	3	4	5	15
22	9	15	17	16	13	8	8	13	19	22	22	27	25	29	27	22	34	34	15	6	6	2	5	18	11
23	11	20	17	14	12	7	8	10	14	17	17	18	19	18	14	12	11	9	6	4	2	0	0	0	11
24	0	5	5	5	10	6	8	8	14	24	32	37	32	31	26	31	29	24	19	15	9	2	2	0	16
25	0	0	0	0	0	2	14	31	40	48	53	57	56	81	67	69	78	75	70	61	63	43	27	15	40
26	39	42	33	21	14	6	3	10	13	18	25	22	27	42	38	32	35	39	40	30	3	0	0	0	22
27	13	8	6	2	2	1	3	10	***	31	55	63	68	46	50	45	52	50	43	37	28	24	28	28	30
28	32	29	26	29	19	13	10	13	22	25	28	28	26	27	25	24	21	23	20	11	6	0	0	0	19
29	0	0	3	21	14	13	10	20	28	39	36	34	37	30	26	28	34	24	18	21	19	16	10	11	21
30	16	23	30	24	13	4	5	9	14	21	28	23	24	28	30	28	30	26	15	8	7	6	6	6	18
MEAN	13	13	14	13	10	7	7	12	17	21	28	30	32	33	35	34	33	31	28	22	17	10	8	9	19.8

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
	STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO														MONTH - JUL 78										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	6	7	10	6	5	11	17	15	20	24	26	23	20	18	19	13	16	4	4	5	0	0	11
2	0	0	0	3	1	12	23	27	33	36	40	46	50	48	39	34	35	38	31	28	26	23	24	29	26
3	33	31	31	32	31	29	29	31	35	39	46	50	48	40	34	41	40	35	29	33	38	39	43	52	37
4	44	44	44	44	44	44	44	44	44	44	44	44	44	44	0	0	0	0	0	0	0	0	0	0	21
5	0	0	0	0	0	0	0	4	12	26	34	39	30	41	38	38	58	65	46	43	37	24	8	12	23
6	3	0	17	13	0	0	0	5	17	26	33	51	56	68	57	57	56	35	41	14	21	28	20	36	27
7	5	50	70	56	43	5	15	31	40	53	65	58	60	69	62	58	67	62	48	36	31	53	28	31	46
8	40	47	47	35	34	25	19	21	30	36	47	50	49	53	39	43	33	26	22	19	17	14	6	4	32
9	8	9	14	13	9	4	11	15	17	19	30	28	34	37	40	42	40	25	23	12	6	4	11	10	19
10	18	24	21	25	31	16	7	10	14	***	21	18	18	18	17	14	13	12	9	10	6	4	3	5	15
11	8	9	10	6	4	4	5	8	11	14	14	16	18	20	21	21	17	22	14	8	3	0	2	3	11
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	2	7	15	19	17	21	31	40	45	40	42	51	16	1	14	7	4	0	5	18
14	16	21	28	24	17	7	7	10	14	27	39	45	45	49	43	36	33	27	17	38	3	4	4	0	23
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	12	17	15	12	14	12	16	16	22	22	26	36	39	35	33	30	27	26	19	17	11	4	2	0	19
17	3	5	7	9	6	3	3	5	9	14	23	29	27	37	48	53	57	55	56	18	5	0	1	0	20
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
20	31	64	46	47	57	13	18	19	42	50	62	97	89	102	80	84	91	80	60	22	2	0	8	9	49
21	10	25	34	17	0	0	0	4	10	5	11	37	40	9	14	20	25	14	21	34	8	1	3	0	14
22	5	0	0	0	0	0	2	12	16	26	48	55	56	65	64	63	45	39	20	22	9	12	36	42	27
23	40	40	38	32	28	20	17	16	17	21	26	31	33	26	20	18	17	16	17	12	9	6	5	5	21
24	9	8	6	7	3	0	1	2	7	16	18	21	31	29	23	14	10	10	11	13	11	5	2	6	11
25	9	0	0	0	0	0	3	8	12	16	29	41	43	43	44	42	49	58	64	61	53	15	15	20	26
26	36	46	61	47	29	7	3	6	17	25	32	38	45	54	56	57	56	43	26	23	31	24	19	20	33
27	32	37	40	40	28	20	5	5	7	10	19	***	33	30	25	16	14	13	1	0	2	3	6	7	17
28	5	3	1	3	5	3	2	3	3	6	11	17	19	18	18	25	25	20	20	16	8	2	1	0	10
29	0	0	0	0	1	2	0	7	14	16	20	10	9	10	1	14	27	27	25	21	18	15	8	7	11
30	8	6	8	6	7	7	5	6	8	12	15	10	12	13	12	13	16	18	13	15	4	3	0	2	9
31	3	7	12	11	10	7	5	8	10	11	13	14	18	18	23	18	9	8	7	6	4	7	2	0	10
MEAN	12	18	18	16	13	8	8	11	16	21	27	34	34	36	34	33	34	29	23	19	13	10	8	10	20.1



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
	STATION - C NO 31105														HYDRO SS SHERBOURNE/WILTON ST. TORONTO										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	11	20	20	24	33	42	****	59	59	55	45	52	47	27	8	0	0	22
2	0	0	0	0	0	0	3	15	30	45	58	63	59	51	43	21	25	30	25	38	40	19	32	38	26
3	43	39	36	34	25	12	14	5	5	6	8	9	17	22	31	26	20	17	8	7	8	6	5	7	17
4	10	10	13	15	11	8	4	5	9	9	7	9	11	15	16	16	18	25	28	14	8	4	0	0	11
5	0	0	0	0	0	0	1	6	13	14	17	27	29	34	35	36	41	46	44	43	47	22	16	8	20
6	0	0	0	0	0	0	1	46	62	56	51	62	74	82	86	88	93	92	76	69	36	6	0	0	41
7	0	0	0	0	7	15	18	18	41	68	61	60	47	65	56	64	56	65	60	50	46	21	4	7	35
8	33	26	18	32	21	1	3	2	3	6	11	21	36	32	34	60	69	76	53	26	22	16	12	23	27
9	41	38	43	37	37	25	7	4	6	8	11	13	13	15	11	10	11	7	4	3	1	1	0	2	15
10	4	7	9	10	7	4	1	2	5	7	11	12	****	****	17	19	20	20	15	6	2	3	4	0	8
11	0	0	0	0	0	0	0	5	7	9	14	17	24	25	22	13	21	13	11	8	13	4	0	0	9
12	0	0	0	0	9	2	0	5	20	34	39	55	54	56	50	44	49	41	34	16	20	24	10	3	24
13	23	8	0	4	0	0	1	3	12	23	37	47	58	74	77	68	65	55	36	22	6	0	0	0	26
14	0	0	5	0	0	0	2	1	4	17	23	39	59	70	48	56	41	36	28	14	8	10	2	11	20
15	32	18	22	18	11	2	1	1	6	7	12	26	42	****	38	36	39	16	4	8	13	15	16	18	17
16	18	15	13	12	9	3	4	5	7	8	11	15	24	27	22	27	28	27	16	19	22	15	8	4	15
17	22	18	12	7	8	2	1	1	3	3	2	4	7	10	12	16	15	15	9	6	1	3	1	1	7
18	7	0	0	0	0	0	0	1	8	16	27	35	40	46	40	37	40	22	16	13	22	17	16	10	17
19	13	6	8	4	5	3	7	16	14	22	34	34	48	65	69	65	46	23	8	16	13	12	10	9	23
20	10	9	9	8	8	7	7	10	14	14	18	22	25	28	28	30	26	23	21	5	2	2	0	0	14
21	5	6	9	5	7	3	1	1	6	12	14	19	20	18	18	17	20	18	10	6	4	0	0	0	9
22	0	0	0	0	0	0	0	3	16	13	18	31	37	57	48	41	58	67	50	32	12	5	2	2	21
23	0	0	5	6	9	0	0	0	15	24	37	53	72	89	81	70	74	68	69	57	28	17	17	32	34
24	15	42	58	60	52	24	9	11	7	11	23	15	6	6	15	14	8	10	12	11	7	3	4	18	18
25	4	3	6	7	5	0	0	0	3	****	14	18	20	21	22	25	26	24	16	10	6	0	0	0	10
26	0	3	12	17	12	11	9	17	10	18	26	40	40	40	40	55	66	54	30	7	0	0	3	0	21
27	0	0	9	13	15	7	10	15	21	22	25	27	29	27	26	24	24	23	23	24	23	25	22	21	19
28	20	16	15	14	11	6	0	0	6	10	****	14	12	25	24	28	39	28	9	20	19	15	19	20	16
29	25	21	21	13	2	2	2	3	6	10	10	16	21	19	18	16	15	13	8	3	2	2	2	2	11
30	0	0	0	0	0	0	0	0	3	****	10	18	15	14	9	10	10	5	8	1	2	4	2	4	5
31	5	6	5	7	10	3	0	0	2	10	10	12	11	11	13	14	15	13	7	2	0	0	0	0	7
MEAN	11	9	11	10	9	5	3	7	12	18	22	28	33	37	36	36	37	33	25	19	15	9	7	7	18.2

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
	STATION - C NO 31105														HYDRO SS SHERBOURNE/WILTON ST. TORONTO													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	0	0	0	2	3	4	2	2	3	11	15	22	18	23	25	39	38	26	24	29	33	18	4	1	14			
2	1	0	1	2	1	0	1	4	14	19	24	25	35	40	39	39	45	51	44	45	10	5	14	24	20			
3	20	30	38	37	26	21	22	26	27	28	35	39	45	60	69	60	24	13	6	2	6	5	2	1	27			
4	4	5	8	8	5	5	4	4	8	13	17	19	22	26	23	25	26	19	1	2	6	3	4	1	11			
5	1	0	0	0	0	0	0	2	4	2	4	7	19	22	23	25	28	20	22	19	20	16	13	13	11			
6	13	10	20	18	20	12	5	2	7	10	20	***	30	28	23	17	3	4	9	34	23	11	23	23	16			
7	26	24	21	18	12	6	2	1	3	3	4	5	6	6	7	6	4	7	6	6	6	4	5	8	5			
8	7	7	7	9	9	7	2	2	2	3	4	5	3	8	9	11	13	4	0	0	0	0	0	0	5			
9	0	0	3	4	5	7	6	7	11	17	17	15	13	15	18	18	19	13	11	6	7	10	12	15	10			
10	18	18	18	19	20	17	11	10	12	13	12	10	13	22	21	20	20	14	9	8	3	0	0	0	13			
11	0	0	0	0	0	0	0	0	1	3	5	16	44	42	33	36	25	18	10	10	3	7	18	9	12			
12	19	7	21	27	18	11	0	0	2	3	4	7	12	12	16	14	11	7	12	6	2	3	4	6	9			
13	4	4	3	2	0	0	5	9	12	13	13	13	14	16	15	12	13	14	14	13	14	16	18	11	11			
14	23	21	21	16	14	6	2	4	5	7	8	6	6	10	13	9	11	10	10	11	24	18	15	12	12			
15	9	9	6	14	10	2	0	2	5	7	8	10	17	***	19	11	7	4	20	17	5	2	7	19	9			
16	16	10	17	19	9	7	5	7	11	13	17	20	25	21	19	21	14	11	7	3	3	2	1	0	12			
17	0	0	0	0	0	0	0	5	7	5	6	7	8	6	13	15	15	13	10	1	0	0	0	0	5			
18	6	17	16	16	13	11	4	5	6	9	10	10	9	11	8	6	8	10	12	7	4	2	1	1	8			
19	8	9	10	13	9	4	1	0	***	7	7	9	14	11	14	18	14	10	12	10	11	12	10	14	10			
20	17	20	21	8	5	2	1	3	3	4	7	8	18	14	15	12	13	10	19	14	0	0	0	0	9			
21	0	0	0	0	0	0	0	0	0	6	7	7	8	5	4	4	4	5	2	1	4	4	1	2	3			
22	2	3	6	6	5	2	0	0	3	4	5	4	6	3	5	5	5	3	0	0	0	0	0	0	3			
23	0	0	0	0	0	0	0	0	0	2	10	13	15	20	21	19	20	18	7	11	10	6	10	4	9			
24	0	0	0	0	0	0	0	1	3	17	30	24	41	43	45	43	43	42	24	2	5	5	12	17	17			
25	24	20	18	12	8	5	2	2	5	11	13	14	12	12	11	10	10	7	1	1	1	1	1	0	8			
26	1	1	1	1	1	1	3	6	8	10	12	15	14	17	18	20	21	21	15	18	16	11	12	13	11			
27	15	8	0	3	2	2	2	6	14	19	21	29	32	38	35	27	23	5	6	5	6	8	6	13	13			
28	7	13	14	9	6	3	1	2	3	7	9	11	11	12	11	10	9	6	1	0	0	0	0	0	6			
29	0	0	0	0	0	0	0	0	2	5	8	10	15	***	19	15	13	9	9	7	10	9	5	2	6			
30	3	6	10	13	12	6	2	3	8	13	17	21	27	28	25	23	25	13	9	27	15	35	36	32	17			
MEAN	8	8	9	9	7	5	3	4	6	10	12	14	18	20	21	20	18	14	11	11	8	7	8	8	10.			

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - OCT 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	31	31	22	16	12	8	7	10	14	17	22	18	22	19	16	11	13	7	2	3	2	1	0	0	13	
2	1	2	3	4	2	1	0	0	2	4	13	13	15	13	15	14	12	12	8	6	8	7	2	13	7	
3	17	13	10	8	10	7	4	6	7	9	10	9	13	14	11	8	9	14	17	19	16	7	7	13	11	
4	4	14	16	19	17	8	3	5	2	1	1	5	6	8	7	7	5	4	3	3	0	0	0	0	6	
5	0	0	0	4	6	0	0	0	1	2	3	4	5	8	5	5	4	5	6	8	10	20	6	15	5	
6	21	13	14	16	18	6	1	4	3	7	6	3	***	3	1	3	4	1	0	0	2	3	4	5	6	
7	6	6	8	9	11	11	7	11	14	15	17	18	15	15	15	10	11	6	5	4	7	8	4	3	10	
8	3	7	8	10	11	12	11	11	14	15	19	18	20	17	17	17	16	10	4	1	2	1	1	2	10	
9	1	1	0	0	0	0	0	0	3	8	20	20	24	24	24	20	17	9	5	4	2	2	0	3	8	
10	6	5	12	10	5	0	0	0	0	1	7	18	18	16	17	11	11	7	7	7	0	0	0	0	7	
11	0	0	0	0	0	0	0	0	3	7	10	15	16	16	13	8	3	8	8	11	8	7	20	27	8	
12	29	31	30	23	23	15	3	5	9	3	4	8	13	***	8	6	4	8	5	10	6	4	0	1	11	
13	5	4	0	2	7	2	0	0	0	5	8	8	8	7	6	5	3	2	3	2	3	5	2	7	4	
14	7	7	6	8	6	5	2	3	2	2	4	5	6	10	11	6	10	4	3	3	2	1	0	0	5	
15	0	0	4	12	6	9	5	7	12	15	19	18	19	16	15	11	15	10	3	0	0	0	0	7	7	
16	6	11	7	3	2	0	0	0	11	14	17	15	16	11	13	11	5	6	2	5	10	8	3	4	0	
17	0	0	0	0	0	0	0	0	0	0	0	5	9	9	8	7	5	6	2	5	10	8	3	4	0	
18	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	0	0	0	0	0	0	0	0	0	0	
19	0	6	3	4	3	4	0	0	0	0	0	6	4	4	3	0	0	0	0	0	0	0	2	4	2	
20	4	3	0	0	0	0	0	0	0	3	9	10	***	9	8	7	4	6	3	3	0	0	0	0	3	
21	0	0	0	0	0	0	0	0	5	7	11	16	17	19	21	19	13	13	7	6	4	6	2	6	7	
22	8	13	18	16	21	14	10	11	10	11	10	17	25	28	27	16	7	7	22	5	2	0	2	3	13	
23	16	10	13	6	6	3	3	0	0	0	4	6	7	10	10	8	5	8	8	5	3	2	0	0	6	
24	0	0	0	0	0	0	0	0	0	2	8	6	10	6	7	4	5	4	9	7	6	12	8	4	4	
25	5	6	3	0	0	0	0	0	0	2	2	4	6	8	11	5	4	3	0	2	5	6	6	5	6	
26	7	11	4	6	2	0	0	0	0	0	2	4	5	4	4	4	0	0	0	0	0	0	0	0	2	
27	3	4	9	4	2	3	0	0	3	4	4	4	***	3	5	6	2	0	0	0	0	0	0	0	5	
28	0	0	2	0	0	0	0	0	3	7	13	16	17	18	12	9	3	3	0	3	3	0	2	2	3	
29	0	0	0	0	0	0	0	5	9	10	13	11	16	17	13	10	6	3	0	0	0	2	0	0	7	
30	14	17	17	18	18	13	3	1	4	11	8	6	10	10	8	3	0	0	0	0	0	0	2	0	0	
31	3	2	1	0	0	0	0	0	0	0	0	0	2	2	2	4	5	5	4	5	4	3	3	2	2	
MEAN	6	7	7	6	6	4	2	3	4	6	9	10	12	12	10	8	7	5	5	4	3	3	2	4	6.1	

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - NOV 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	2	2	2	2	2	0	0	0	0	6	8	10	13	10	9	6	2	0	0	0	0	0	0	0	3
2	0	0	0	0	0	0	0	0	0	0	0	4	4	5	5	4	4	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	4	6	7	***	7	4	9	2	2	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	4	1	5	8	5	7	4	5	0	0	0	0	0	0	0	0	2
5	0	0	0	0	0	0	0	1	2	3	5	17	22	19	19	17	19	7	2	4	18	8	14	17	8	
6	29	34	30	24	22	10	0	0	0	0	0	2	1	2	3	2	0	2	2	5	4	2	1	1	1	7
7	6	6	10	8	10	5	2	0	0	0	3	7	12	13	10	10	6	4	0	0	0	0	0	0	0	5
8	0	0	0	0	0	0	0	0	0	1	6	6	11	8	5	4	2	3	4	6	2	0	0	0	0	2
9	3	4	6	11	10	3	0	0	0	0	2	3	3	4	6	***	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	0	2	4	4	4	2	2	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	4	5	5	6	4	0	0	0	0	0	0	0	2	2	10
12	3	7	9	9	12	12	13	18	14	13	8	9	8	16	12	13	11	15	16	10	0	0	0	0	0	1
13	0	2	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	3	0	6	6	8	5	4	0	0	0	0	3	4	***	6	5	1	2	2	4	7	5	2	0	0	3
15	5	5	9	7	6	9	3	0	0	0	3	4	5	6	6	4	3	2	0	2	0	0	0	0	0	4
16	0	0	0	2	3	3	3	0	0	0	3	4	5	6	6	11	9	4	0	2	2	5	8	10	12	5
17	11	12	11	9	10	8	3	0	0	0	0	0	0	0	0	0	0	2	0	5	7	8	4	3	1	4
18	0	0	2	3	4	5	6	9	11	10	14	11	10	11	13	5	2	0	0	0	0	0	2	0	0	4
19	0	4	4	6	8	6	3	3	18	19	20	20	21	20	18	16	13	7	7	6	4	6	9	10	10	8
20	9	13	17	18	20	15	12	4	3	5	9	11	11	9	7	3	2	0	2	4	4	2	5	6	8	9
21	5	4	3	6	8	4	3	0	0	2	5	4	7	7	8	4	2	4	2	4	6	0	0	0	0	4
22	0	0	14	14	15	13	6	4	6	7	6	6	5	4	4	3	4	4	4	7	5	5	4	5	6	6
23	4	0	2	2	2	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	***	1	0	0	0	0	1	7	7	1	0
25	8	7	12	15	15	14	9	8	10	9	10	12	12	13	14	10	6	7	8	5	1	2	7	6	9	9
26	7	8	8	5	7	11	9	8	12	16	16	17	18	18	13	11	1	1	0	0	2	4	16	9	9	9
27	19	19	18	18	17	18	16	13	13	14	15	***	12	10	8	5	4	3	7	4	0	0	1	1	10	1
28	3	4	1	1	0	0	4	4	0	2	2	6	7	5	5	5	4	3	3	1	1	1	0	0	0	3
29	3	3	1	0	0	1	5	5	1	3	9	10	12	14	7	8	4	2	3	4	3	4	2	2	4	4
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	4	4	6	6	6	5	3	2	3	4	6	7	8	9	7	5	3	2	2	2	2	2	2	2	3	4.4

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	3	2	5	1	1	0	0	1	1	0	0	0	5	3	0	0	0	0	0	0	0	0
2	7	10	14	15	15	13	11	6	6	5	11	17	20	19	15	10	6	6	3	1	3	0	0	5	9
3	6	4	0	2	6	19	18	19	19	23	21	15	11	7	5	2	1	2	3	1	0	0	0	0	8
4	0	1	1	1	3	1	1	0	0	0	3	5	6	4	3	2	3	1	3	2	7	3	3	0	2
5	4	4	6	8	4	0	0	0	0	0	2	3	2	3	0	1	0	0	0	0	0	0	1	1	2
6	1	1	0	0	0	0	0	0	0	0	3	3	7	5	4	3	1	1	1	0	1	5	8	7	2
7	10	8	8	8	8	5	0	2	0	5	5	5	5	5	4	4	4	2	1	0	0	1	1	0	4
8	0	0	0	0	0	0	0	0	0	0	0	1	3	2	0	0	0	1	2	2	2	2	3	3	1
9	6	5	6	9	8	6	3	1	1	5	11	12	10	12	9	9	6	6	7	5	4	6	7	6	7
10	5	7	8	11	12	13	10	10	12	13	16	19	15	14	16	16	11	7	5	3	5	5	3	3	10
11	4	2	2	4	4	2	1	0	0	1	1	1	1	1	1	2	1	1	0	0	3	3	2	2	2
12	2	0	0	0	0	0	0	0	0	0	1	2	5	2	1	1	1	3	5	7	7	7	5	5	2
13	5	2	3	5	8	9	5	0	0	0	2	1	1	1	6	2	1	0	2	2	6	9	9	11	4
14	8	8	9	12	16	18	13	4	0	1	3	7	10	7	2	4	1	1	2	3	4	2	1	0	6
15	0	1	2	6	7	5	2	0	0	1	2	2	2	2	2	1	1	0	0	0	0	0	0	0	2
16	0	0	0	0	0	0	0	0	0	1	2	2	3	3	2	1	1	1	0	0	0	1	2	1	1
17	0	0	0	0	7	19	22	22	21	21	20	21	22	20	19	16	12	6	9	7	6	8	10	10	13
18	6	7	7	7	6	4	1	0	0	1	1	2	4	4	***	4	3	3	3	4	5	6	6	4	4
19	3	5	6	8	8	7	3	1	1	3	4	7	12	10	8	6	3	2	1	0	1	2	0	0	4
20	0	0	0	0	4	9	9	5	5	5	5	6	5	5	2	1	2	2	1	0	0	0	0	0	3
21	0	0	0	0	0	1	2	3	4	7	10	13	14	12	11	***	5	1	0	0	2	1	1	0	4
22	1	1	3	3	5	2	2	0	1	1	2	3	3	3	3	1	0	1	0	0	0	2	3	5	2
23	8	8	6	6	6	6	6	5	2	4	6	9	15	15	13	6	1	1	0	1	0	0	0	0	5
24	0	0	1	1	4	12	16	11	11	9	9	6	7	6	4	1	1	2	3	4	2	3	3	3	5
25	6	6	7	11	12	5	4	3	4	3	7	6	13	16	14	14	11	11	12	12	13	7	6	9	9
26	15	16	18	13	12	11	11	7	6	9	11	12	10	11	12	9	7	3	2	2	3	3	4	3	9
27	2	6	7	12	12	9	5	1	1	2	3	7	9	10	10	7	4	2	2	1	2	3	2	1	5
28	1	2	5	1	2	4	1	2	2	3	7	9	10	10	6	4	0	0	0	0	0	0	1	1	3
29	1	0	0	0	0	0	0	0	0	0	0	0	2	5	5	5	8	6	0	4	8	10	12	10	3
30	14	18	19	20	12	10	8	4	5	7	10	11	8	6	3	1	0	0	0	0	0	0	0	0	7
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	4	4	4	6	6	6	5	3	3	4	6	7	8	7	6	5	3	2	2	2	3	3	3	3	4.4

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	6.0	12	21
FEB	28	8.3	13	31
MAR	30	13.4	29	65
APR	30	13.7	23	37
MAY	31	19.9	52	93
JUN	30	19.8	42	81
JUL	31	20.1	49	102
AUG	31	18.2	41	93
SEP	30	10.7	27	69
OCT	31	6.1	13	31
NOV	30	4.4	10	34
DEC	31	4.4	13	23
YEAR	364	12.1	52	102

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	566	166	3	0	0	0	0	0	735
FEB	440	180	47	1	0	0	0	0	668
MAR	350	183	133	51	6	0	0	0	723
APR	278	266	149	21	0	0	0	0	714
MAY	236	185	148	135	24	5	0	0	733
JUN	238	175	153	113	32	1	0	0	712
JUL	305	146	83	143	54	5	1	0	737
AUG	338	160	91	82	59	7	0	0	737
SEP	420	193	67	32	4	0	0	0	716
OCT	579	140	18	3	0	0	0	0	740
NOV	615	91	6	1	0	0	0	0	713
DEC	648	85	9	0	0	0	0	0	742
YEAR	5013	1970	907	582	179	18	1	0	8670

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
99.0	0	0.0	2.7	7.4	14.6	28.5	39.3	52.6	61.6	102	12.1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	15	18	17	20	22	22	23	24	24	25	20	18	14	14	16	18	16	15	22	23	19	22	21	19
2	21	19	21	24	21	19	13	1	3	9	8	14	17	22	18	12	9	4	4	6	8	8	7	6	12
3	9	10	9	10	8	8	3	1	3	11	7	15	19	22	20	***	5	1	0	0	0	0	0	1	7
4	5	13	16	12	7	1	2	0	6	11	8	6	6	7	5	3	1	0	0	0	0	0	1	1	5
5	7	6	8	7	6	7	3	2	1	2	3	3	4	5	3	4	1	0	0	0	0	0	0	5	3
6	12	20	14	16	17	16	8	7	4	6	10	12	14	***	***	21	16	3	2	3	6	12	23	14	12
7	12	12	15	12	11	14	12	9	8	5	4	2	3	4	3	2	2	0	0	0	0	2	3	2	6
8	2	3	3	4	8	8	7	6	8	8	6	3	2	3	4	2	0	0	0	1	3	3	4	8	4
9	14	21	22	22	21	20	17	6	13	17	18	19	20	***	-	16	10	8	12	12	13	13	14	14	16
10	18	19	20	23	24	22	19	16	16	20	22	24	24	25	26	22	17	16	19	19	21	20	20	19	20
11	19	19	11	6	18	20	22	11	11	14	16	15	17	16	***	14	6	5	5	7	2	0	0	0	11
12	2	7	9	14	14	12	3	0	0	0	1	8	9	10	7	2	1	0	0	0	2	1	0	1	4
13	2	1	1	0	5	1	0	0	0	2	4	6	11	12	13	***	6	7	11	12	13	13	17	19	7
14	24	25	26	27	26	24	23	21	18	20	21	20	21	19	20	20	18	15	18	18	15	19	19	16	21
15	15	13	15	20	17	17	13	11	11	15	15	16	16	17	17	14	10	2	5	1	3	10	9	1	12
16	0	5	8	10	7	12	6	2	2	5	10	12	16	17	15	13	9	5	4	1	1	0	0	7	10
17	0	1	3	5	4	5	1	0	1	5	10	12	17	17	16	6	4	15	18	19	20	22	23	23	10
18	22	23	25	26	26	22	16	12	13	15	19	20	20	14	***	11	6	1	2	3	5	6	3	4	14
19	3	3	2	3	5	6	2	0	1	0	2	3	9	13	16	10	2	0	0	0	0	2	9	14	4
20	18	24	24	26	27	28	24	17	13	17	19	18	19	18	18	17	16	15	16	17	19	18	17	17	19
21	14	14	17	21	24	24	15	12	11	13	12	11	13	10	9	8	4	2	1	0	0	0	0	0	10
22	0	0	0	0	0	0	1	1	1	9	11	15	16	18	18	13	5	3	3	3	4	4	2	5	5
23	2	0	0	0	0	0	1	0	0	1	5	9	9	8	-	5	1	0	0	0	2	1	0	0	2
24	0	0	0	0	0	0	1	0	1	2	4	6	7	9	7	4	0	0	1	0	3	1	1	0	2
25	0	0	0	0	0	0	0	0	0	0	1	2	2	2	***	0	0	1	1	2	5	11	12	16	2
26	18	17	8	6	9	13	15	11	5	9	12	14	17	17	16	15	13	11	14	17	17	17	18	21	14
27	22	21	20	19	17	18	11	8	9	12	14	15	16	***	15	14	9	5	4	6	4	6	13	15	13
28	11	14	15	16	20	20	15	11	13	18	15	14	16	15	14	12	8	7	7	6	9	13	14	14	13
29	15	13	14	18	20	18	11	11	10	15	15	15	18	17	14	13	12	10	11	12	13	14	10	2	13
30	3	1	1	10	16	15	7	2	4	7	9	***	15	16	17	14	7	0	0	0	0	0	1	4	6
31	10	12	12	11	9	5	2	0	3	8	10	12	13	12	14	11	5	1	0	0	1	7	11	10	7
MEAN	10	11	12	12	13	13	9	6	7	10	11	12	14	14	14	11	7	9	6	6	7	8	9	9	9.7

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	19	19	14	14	13	2	2	2	5	11	11	15	15	14	15	6	1	2	3	6	3	5	5	9
2	6	7	10	5	8	8	4	2	2	6	10	11	8	8	7	10	2	1	1	1	1	3	1	2	5
3	6	7	5	3	7	9	1	1	2	7	11	14	19	17	17	***	8	4	4	3	3	3	8	9	7
4	9	9	10	15	17	18	15	4	5	7	9	13	20	20	22	16	11	3	2	2	2	1	1	1	10
5	2	2	3	5	11	17	18	18	18	21	22	23	25	25	26	25	26	21	17	13	11	13	18	23	17
6	25	20	21	17	19	19	13	8	10	15	18	19	25	24	22	18	12	9	8	12	22	23	23	24	18
7	26	27	29	30	31	28	24	10	12	15	16	16	19	20	19	16	9	4	3	3	6	8	10	10	16
8	16	18	19	18	20	19	8	3	5	11	12	14	19	19	19	14	7	2	1	1	3	6	8	11	11
9	12	13	16	22	23	22	7	3	4	9	13	14	21	20	***	15	11	1	0	0	1	1	2	0	10
10	2	3	7	2	1	4	4	2	3	8	11	15	20	13	14	11	7	0	0	4	10	11	10	5	7
11	2	3	11	15	15	13	6	4	4	7	14	14	13	14	15	13	11	7	9	17	7	10	7	11	10
12	13	17	20	23	25	25	25	23	21	16	16	16	17	19	20	16	16	12	11	12	13	12	13	11	17
13	6	7	22	22	22	18	13	9	13	19	23	24	26	***	27	25	18	11	5	8	6	7	6	9	15
14	21	22	24	20	17	8	2	2	3	9	10	15	19	20	22	18	12	6	3	1	0	0	0	0	11
15	0	1	1	1	1	0	0	0	0	2	7	16	16	15	16	11	9	5	3	1	1	1	1	1	5
16	15	12	11	17	16	14	5	0	1	***	4	4	7	11	13	9	4	4	7	3	7	9	6	7	8
17	4	6	9	10	18	15	5	2	6	10	13	14	19	18	***	16	13	11	1	1	0	0	0	0	8
18	0	0	0	0	0	0	0	1	4	7	13	17	21	21	21	19	19	13	8	9	9	6	5	2	8
19	2	0	0	0	1	0	0	3	7	10	15	20	21	21	20	21	19	11	3	3	0	0	0	0	7
20	0	0	2	2	2	0	0	0	2	6	8	9	8	***	22	18	13	5	1	0	4	2	2	2	5
21	8	18	22	24	14	10	5	2	4	11	16	22	29	29	24	20	15	10	8	9	10	11	11	12	14
22	10	13	14	18	20	15	2	3	4	17	17	18	21	20	21	20	16	10	9	8	8	6	7	13	13
23	19	24	23	22	17	14	4	1	2	3	7	9	***	30	29	20	14	14	6	8	13	11	2	13	13
24	3	3	5	7	10	13	7	1	4	8	15	***	20	20	18	14	9	6	1	2	5	11	13	12	9
25	5	1	0	0	2	1	6	9	16	17	19	21	25	26	22	19	17	5	1	3	3	6	9	5	10
26	9	9	8	11	16	19	10	9	11	16	20	21	22	23	24	20	19	17	15	13	12	5	6	14	14
27	1	0	1	1	6	6	4	1	4	9	11	14	19	18	17	15	8	4	2	8	4	4	5	9	7
28	2	1	1	1	1	3	0	0	1	3	6	9	16	19	22	14	15	13	8	7	7	7	3	6	7
MEAN	9	9	11	12	13	12	7	4	6	10	13	15	19	19	20	17	12	8	5	6	6	7	7	7	10.5

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	4	6	21	26	17	3	4	9	14	23	33	32	***	36	26	22	12	5	5	7	3	5	8	14
2	15	15	13	4	9	13	11	3	4	9	16	20	23	23	25	22	17	7	3	0	5	6	5	3	11
3	4	3	4	13	23	21	9	8	25	24	32	26	23	25	27	26	17	8	8	9	14	19	19	17	
4	18	20	30	31	34	32	24	22	21	22	22	23	22	22	25	23	21	19	11	4	3	3	4	1	19
5	4	2	2	6	11	7	9	16	19	23	24	27	28	27	29	29	23	21	25	26	20	11	10	18	
6	4	11	23	17	16	4	0	0	2	15	23	29	34	29	20	19	16	12	6	3	6	7	2	4	13
7	22	31	33	38	32	24	12	6	10	17	20	24	23	21	23	22	19	7	4	5	6	7	9	7	18
8	16	14	7	4	3	5	1	4	10	17	27	34	41	41	40	34	32	23	20	10	7	0	0	16	16
9	0	0	0	2	0	1	0	0	1	6	9	10	19	18	***	14	12	7	2	4	7	9	1	0	5
10	1	1	0	0	0	2	2	2	11	31	49	54	57	67	75	80	66	32	3	0	0	10	12	3	23
11	0	0	0	0	0	0	1	1	1	9	17	26	21	22	28	27	28	24	10	2	10	12	8	7	11
12	12	8	8	19	22	29	52	24	27	42	44	37	31	29	25	27	28	18	7	10	8	6	1	1	21
13	1	0	1	2	1	0	0	0	2	16	18	24	31	***	35	38	39	39	39	49	57	55	48	29	23
14	36	47	63	62	57	54	48	35	33	28	29	18	24	12	10	21	18	11	17	22	23	22	21	20	30
15	28	28	29	34	32	30	21	13	12	14	18	18	19	18	15	10	10	8	5	6	8	7	6	9	17
16	11	15	17	27	27	19	5	7	11	23	32	32	34	34	34	34	34	31	25	13	7	6	16	27	22
17	17	4	18	23	23	24	19	12	26	29	35	38	36	38	38	20	16	7	1	2	5	6	7	8	19
18	15	10	14	23	25	22	15	17	21	23	29	31	42	36	35	40	37	37	41	39	36	31	28	22	28
19	19	21	29	29	28	28	28	28	34	35	34	32	32	33	34	33	32	31	28	27	25	23	17	15	28
20	18	17	12	6	8	8	1	9	28	36	38	37	37	40	45	44	42	39	39	40	40	40	39	36	29
21	27	22	24	23	21	9	1	1	1	***	0	0	1	1	2	2	2	3	4	4	6	5	17	21	9
22	24	24	30	36	38	33	18	7	16	22	19	16	19	15	24	29	5	0	0	0	0	0	0	0	16
23	20	26	30	29	30	27	4	4	11	17	21	24	27	28	27	21	17	15	5	1	0	6	16	20	18
24	28	29	32	31	34	31	27	29	31	30	30	31	32	31	35	36	36	33	23	13	12	14	16	15	27
25	15	17	23	14	6	22	22	20	28	32	34	35	37	39	39	41	41	41	41	40	40	40	40	39	31
26	37	37	40	40	41	40	39	36	34	32	34	32	32	32	32	32	31	31	33	34	37	35	35	35	35
27	31	28	29	26	19	18	6	3	10	15	15	14	12	12	12	13	11	10	2	5	6	4	0	3	13
28	19	24	22	17	15	12	1	0	1	3	7	***	15	9	9	6	3	2	0	0	0	0	0	0	7
29	0	2	13	17	25	26	10	11	14	23	23	22	25	25	22	18	13	10	6	3	1	3	1	14	14
30	1	3	3	4	5	3	1	2	4	13	9	12	16	21	25	24	17	18	9	1	5	***	***	1	9
31	0	1	1	8	2	0	0	2	12	16	31	40	38	19	40	41	41	40	39	39	39	40	41	39	24
MEAN	14	15	18	20	20	18	13	11	15	21	25	27	28	26	29	28	25	20	15	13	14	14	14	13	18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION											
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH															MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	37	33	25	19	12	9	3	13	17	34	37	39	28	24	21	19	20	22	23	24	25	25	29	28	24	
2	28	28	32	35	36	38	39	37	35	34	34	35	37	38	39	39	33	25	14	7	7	3	2	3	27	
3	4	38	32	34	33	32	29	25	24	27	28	23	31	***	31	27	24	23	28	30	31	27	22	18	27	
4	15	16	8	2	3	2	1	2	4	5	9	13	17	10	3	2	2	2	1	3	2	2	9	17	6	
5	25	25	25	26	27	23	12	8	11	17	20	18	24	20	17	16	14	9	3	0	0	0	0	0	14	
6	0	4	10	11	2	3	5	19	26	32	34	36	***	39	39	38	35	35	38	39	38	38	38	36	26	
7	34	30	25	19	1	4	7	4	7	10	15	15	17	22	23	19	15	18	18	10	12	14	15	11	15	
8	12	11	19	26	27	25	22	19	16	15	16	17	19	20	20	21	20	19	19	16	17	20	18	15	19	
9	12	16	21	23	25	27	32	34	36	33	37	38	35	39	33	30	33	35	28	18	12	14	11	9	26	
10	4	14	15	11	17	28	27	29	32	35	35	33	40	41	42	37	32	30	35	37	37	36	31	32	30	
11	35	32	31	32	30	27	12	5	6	8	3	4	1	6	8	13	14	13	13	10	12	11	13	14	15	
12	18	21	24	28	26	19	11	11	14	21	21	17	12	***	20	19	9	6	10	1	0	1	3	10	14	
13	21	9	3	7	18	12	12	12	18	21	22	19	22	18	17	14	11	14	14	11	12	15	15	14	15	
14	22	21	19	22	31	27	19	19	22	26	29	27	24	23	22	21	16	19	17	9	12	13	12	2	20	
15	1	1	5	15	16	14	17	18	22	22	21	18	20	16	16	18	16	18	11	9	10	11	6	4	14	
16	7	7	12	16	17	20	25	27	28	28	24	20	26	23	16	7	9	14	12	11	12	12	15	17	16	
17	26	31	35	35	30	13	12	8	13	22	20	22	24	26	***	22	10	8	2	5	6	3	2	0	16	
18	0	3	6	12	16	15	14	21	27	35	41	49	57	51	48	47	47	49	48	47	46	47	48	46	34	
19	44	42	43	46	46	45	41	38	35	36	38	39	38	39	38	38	39	38	39	38	36	34	36	36	25	38
20	25	26	29	32	31	25	17	10	13	14	16	18	16	12	11	11	9	6	3	5	13	14	16	17	16	
21	27	29	32	33	33	28	18	14	14	19	21	22	26	20	19	21	18	17	15	9	8	10	12	15	20	
22	17	19	25	28	29	31	24	23	28	28	24	26	29	30	31	27	25	19	16	10	9	10	8	8	22	
23	9	11	15	20	15	13	17	23	27	36	39	38	38	32	33	31	26	16	6	1	0	0	0	1	19	
24	2	0	2	6	8	9	6	13	30	41	41	31	30	34	41	33	23	20	13	8	3	4	5	2	17	
25	6	12	13	13	26	19	16	19	33	46	***	52	51	54	53	46	45	44	40	13	3	5	1	3	27	
26	2	5	10	6	21	13	11	22	31	42	49	57	58	57	58	56	53	48	44	10	1	1	2	4	28	
27	17	15	18	18	20	15	5	22	29	38	40	39	43	39	***	28	19	17	14	11	13	14	15	16	22	
28	21	22	27	29	28	23	10	10	16	26	31	37	37	30	27	22	20	16	9	2	0	0	1	0	19	
29	0	0	1	14	17	21	21	14	12	21	29	32	31	31	32	30	28	23	22	18	17	19	19	18	20	
30	23	25	27	28	30	32	34	34	32	31	33	33	35	35	33	28	28	30	26	19	11	4	7	19	27	
MEAN	16	18	20	22	22	20	17	18	22	27	28	29	30	29	28	26	23	22	19	14	13	14	14	13	21.0	

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	21	21	25	31	16	11	15	19	20	21	22	23	20	19	16	21	21	19	14	14	12	6	20	19
2	24	26	28	30	18	5	6	14	19	21	22	***	28	25	24	18	18	21	20	14	16	12	13	18	19
3	24	28	30	30	21	12	9	10	18	25	26	29	34	25	22	19	22	25	21	14	12	11	4	9	20
4	11	26	23	19	24	2	9	24	35	38	38	39	40	38	***	42	43	38	42	34	14	11	11	28	27
5	28	31	36	37	36	30	22	24	27	30	34	38	38	39	38	35	36	35	34	31	33	32	30	28	33
6	30	27	26	20	17	16	13	15	15	10	16	13	10	10	10	3	0	0	0	0	1	6	10	14	12
7	14	18	19	24	32	20	29	31	30	46	51	53	55	56	58	56	59	60	53	50	53	50	48	49	42
8	53	45	39	38	36	34	28	24	25	27	33	40	***	***	45	32	28	30	34	35	34	19	5	22	32
9	19	16	16	23	20	4	1	1	3	16	32	38	36	31	29	23	19	19	22	25	15	7	22	26	19
10	26	25	26	26	18	12	10	13	20	23	15	15	***	19	17	16	18	18	19	8	2	1	0	0	15
11	2	0	1	1	0	0	3	6	12	18	37	41	39	42	44	44	41	38	26	21	31	15	0	0	19
12	6	9	12	32	38	32	24	10	18	21	18	24	26	11	16	19	19	25	28	32	28	38	41	39	24
13	39	35	30	23	29	42	43	42	39	38	42	42	42	40	35	38	34	15	14	1	5	34	42	44	32
14	42	40	40	43	47	48	46	45	44	42	42	39	40	40	40	41	42	43	43	44	45	47	48	45	43
15	49	49	46	43	42	37	28	28	29	29	28	29	35	***	36	34	21	12	18	15	35	33	29	34	32
16	31	26	27	25	26	20	15	24	32	34	32	30	34	36	37	39	39	39	16	0	0	12	14	19	25
17	22	22	26	23	19	17	9	13	10	16	25	29	***	32	35	37	39	35	31	24	13	4	0	0	21
18	2	1	2	0	0	0	0	5	8	15	17	24	34	39	45	19	9	3	0	0	0	0	0	0	10
19	0	0	0	0	0	0	2	4	10	24	45	***	75	79	70	61	64	21	7	0	0	0	0	4	20
20	5	3	25	15	10	17	23	47	55	49	63	70	67	61	51	40	36	22	29	32	25	17	8	33	33
21	43	16	18	19	18	21	28	29	31	32	33	36	34	34	29	27	23	22	16	14	12	4	0	0	22
22	4	6	0	3	9	11	19	25	30	33	36	38	37	37	38	45	46	37	13	7	0	0	0	6	20
23	10	5	3	3	0	0	15	32	44	45	47	51	***	73	74	76	74	66	49	29	45	15	6	0	33
24	0	2	4	2	2	9	13	23	57	70	82	88	93	***	88	73	68	52	29	6	0	9	12	25	35
25	24	34	27	18	4	14	22	39	50	47	56	55	57	57	45	41	36	29	22	3	19	24	6	17	31
26	18	43	50	56	14	17	20	38	47	58	***	72	81	128	102	100	71	47	13	4	1	0	0	43	64
27	0	0	0	0	0	0	16	28	48	61	82	98	101	111	115	105	114	96	95	85	94	78	71	51	64
28	41	0	3	27	37	41	46	51	53	57	65	73	78	78	84	72	67	72	77	69	62	44	4	34	51
29	48	42	24	29	0	2	7	18	13	42	51	81	87	83	55	49	49	46	55	35	51	47	60	28	41
30	0	1	30	22	18	36	51	46	51	78	82	72	75	84	83	87	97	104	82	76	52	85	92	80	62
31	66	35	28	25	26	4	3	***	30	49	59	69	62	41	35	26	24	23	24	23	20	20	17	19	32
MEAN	23	20	21	22	19	17	19	25	30	37	42	47	51	48	47	43	41	36	31	24	24	22	19	22	30.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	19	16	12	8	6	5	7	5	8	16	24	29	45	51	32	37	33	42	34	28	25	21	4	22
2	10	9	5	0	0	0	0	5	13	***	43	33	26	30	21	14	13	10	12	7	0	0	5	14	12
3	16	18	18	19	17	18	15	15	18	23	31	37	39	37	36	29	30	29	28	24	19	13	8	7	23
4	2	3	4	2	2	2	9	25	32	39	31	31	31	43	47	42	35	31	36	27	7	12	18	25	22
5	25	12	14	32	35	23	14	16	20	18	19	21	23	21	21	19	20	20	22	16	6	0	0	0	17
6	0	0	0	0	0	0	0	4	14	18	23	30	37	30	26	27	30	29	22	11	7	0	0	0	13
7	11	10	5	7	12	11	11	9	11	19	18	18	***	22	23	22	18	24	18	23	23	8	4	3	14
8	15	11	13	3	0	0	4	7	13	20	36	26	34	24	***	16	15	11	7	4	3	2	3	7	12
9	12	14	23	25	20	6	4	10	20	20	21	25	28	26	27	27	26	25	16	13	11	10	5	4	17
10	5	3	2	0	0	1	7	18	20	20	24	28	40	49	52	41	46	49	44	25	1	0	14	26	21
11	42	59	57	45	36	23	44	43	52	68	74	81	77	71	77	76	80	80	77	67	55	45	59	62	60
12	60	48	43	37	27	15	19	27	43	60	68	77	***	62	76	59	19	6	6	13	22	11	10	11	36
13	13	11	11	12	9	4	3	6	9	10	11	12	15	***	17	16	19	21	23	14	7	6	7	13	12
14	17	17	18	19	16	7	9	17	20	22	24	23	22	21	17	17	19	18	15	7	3	0	0	2	15
15	6	10	15	18	12	3	7	15	20	26	27	34	***	46	42	44	43	41	28	18	3	0	0	0	20
16	0	0	0	0	0	2	2	8	29	54	49	***	56	61	66	60	59	51	49	54	37	29	18	7	30
17	2	1	0	0	23	28	36	41	43	38	42	49	47	45	53	58	74	72	64	35	52	59	47	46	40
18	50	43	35	32	31	23	27	37	40	51	60	57	52	48	42	40	39	35	32	28	21	18	20	22	37
19	14	7	8	14	11	6	0	0	6	16	24	28	***	41	35	33	36	27	25	17	10	5	2	0	16
20	0	0	0	0	0	0	0	7	22	32	52	80	***	107	108	77	103	101	98	94	83	67	60	57	50
21	24	23	30	39	35	29	29	22	4	18	23	40	51	57	66	61	46	28	15	15	11	4	3	6	28
22	5	15	20	18	10	3	10	13	22	26	27	25	25	26	24	23	29	27	24	9	0	0	0	13	16
23	12	24	22	23	15	10	12	15	16	17	20	22	***	19	14	11	11	11	7	5	0	0	0	2	6
24	2	5	14	16	8	6	9	17	23	27	37	46	39	35	42	41	47	33	23	7	0	0	0	0	20
25	0	0	0	0	0	2	13	36	50	62	71	66	59	74	72	75	76	73	69	71	68	41	23	12	42
26	24	34	30	26	20	23	32	34	39	40	35	43	59	72	62	50	52	47	38	31	9	9	23	22	36
27	13	17	21	23	8	3	4	14	34	44	64	84	88	77	47	45	46	39	38	33	26	25	25	32	35
28	34	34	29	27	20	7	9	14	21	25	27	28	***	23	25	20	24	21	18	11	2	2	1	0	18
29	4	5	15	25	20	7	8	19	34	38	39	36	33	29	23	25	27	30	21	22	18	18	20	21	22
30	22	27	29	22	13	6	11	17	19	24	22	25	27	24	25	25	27	23	15	10	11	12	11	13	19
MEAN	15	16	17	17	14	9	12	17	24	30	35	39	41	44	43	38	38	35	31	25	18	14	14	15	24.7

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	7	9	8	7	2	5	8	21	26	27	22	20	27	32	34	32	27	25	21	16	4	0	0	0	16	
2	0	10	7	5	7	20	26	30	34	36	40	45	44	36	30	29	32	31	30	24	26	22	19	25	25	
3	29	29	33	34	32	31	29	31	36	44	50	56	62	62	55	44	43	35	40	41	42	47	54	52	42	
4	51	44	49	46	43	40	36	41	47	49	51	50	45	***	52	46	43	48	36	15	6	0	0	0	36	
5	0	0	0	0	0	0	2	15	24	34	61	72	53	***	56	36	59	64	51	31	14	29	19	6	27	
6	1	1	5	8	5	2	7	20	37	43	63	62	63	68	69	69	66	57	46	45	51	35	45	45	38	
7	52	47	48	57	38	20	20	33	46	57	86	82	80	92	84	76	81	78	75	67	53	64	76	71	62	
8	70	68	62	52	45	35	31	31	38	51	65	63	63	63	48	44	36	28	26	21	16	16	13	11	42	
9	20	23	25	27	27	26	24	17	22	26	37	47	46	44	48	51	50	42	32	18	4	6	8	8	28	
10	12	22	42	41	40	20	10	12	15	16	20	***	***	21	20	14	15	12	10	9	6	2	0	6	17	
11	8	9	10	13	7	3	3	8	13	14	16	17	17	21	23	22	22	22	17	9	3	2	3	3	12	
12	6	11	10	6	4	2	3	7	11	18	30	32	***	50	52	45	38	36	29	16	2	5	3	0	18	
13	2	0	17	19	21	15	15	***	36	30	20	41	64	69	73	64	60	58	67	55	32	17	13	34	36	
14	41	44	41	30	9	7	12	15	27	36	43	***	84	73	56	60	65	70	79	46	6	5	3	2	37	
15	5	0	0	1	0	0	4	25	36	45	56	71	79	90	91	104	99	81	63	39	39	27	18	17	41	
16	17	21	20	18	18	17	20	21	23	24	30	36	27	25	25	27	26	21	20	12	10	3	5	7	20	
17	9	9	10	9	6	1	2	9	12	20	22	26	29	36	43	59	62	59	42	17	3	2	0	0	20	
18	0	2	0	0	0	0	2	11	20	36	31	29	46	80	48	43	51	57	47	37	19	2	1	9	24	
19	11	15	13	22	27	8	1	3	17	32	67	87	102	99	96	87	74	53	53	16	30	24	10	17	40	
20	37	45	43	29	33	33	36	49	57	81	120	124	112	112	99	89	96	87	64	55	31	28	29	31	64	
21	23	26	55	54	43	6	11	13	23	***	42	54	34	***	41	51	56	41	30	22	15	10	10	2	30	
22	0	0	15	2	1	4	16	31	37	44	75	71	80	93	104	90	64	71	63	48	44	72	63	47	47	
23	62	52	44	41	37	35	38	38	44	41	43	39	33	23	21	19	18	19	18	14	12	9	8	10	30	
24	16	17	14	13	3	1	2	12	25	27	21	20	26	22	21	22	22	22	20	12	4	5	6	5	15	
25	0	0	0	5	3	4	9	19	30	41	50	***	39	53	62	63	68	86	86	84	74	38	18	15	37	
26	19	40	71	60	30	7	4	9	32	40	44	43	59	68	73	75	75	64	34	48	29	24	***	19	42	
27	28	39	43	46	39	18	11	14	22	29	36	45	47	53	42	37	18	10	4	5	5	7	10	10	26	
28	7	4	5	9	8	2	3	4	5	10	16	19	20	***	25	26	29	27	21	3	11	4	0	0	11	
29	0	0	0	0	0	1	10	13	16	24	29	21	15	13	11	12	25	25	34	23	22	25	18	15	15	
30	16	16	14	12	11	9	8	10	13	17	20	21	20	21	24	24	27	27	25	17	4	0	1	1	15	
31	3	8	9	8	3	3	3	14	20	20	22	25	29	37	38	40	35	33	24	29	16	3	0	0	18	
MEAN	18	20	23	22	17	12	13	19	27	34	43	47	50	54	50	48	48	45	39	29	20	16	15	16	30	40

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION																					
STATION - C NO 33003														LAWRENCE/KENNEDY SCARBOROUGH											MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	0	0	0	0	0	0	0	5	20	45	48	51	55	58	64	84	76	79	80	77	45	18	5	1	34										
2	0	0	0	0	0	1	16	31	53	63	67	54	53	50	60	49	44	49	51	48	41	.....	.....	.....	35										
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
4	20	22	24	22	18	5	3	.....	5	.....	16	17	19	21	27	29	29	31	18	5	0	0	0	0	15										
5	0	0	0	0	0	0	1	3	12	21	34	27	36	29	33	44	56	63	65	47	34	30	21	6	23										
6	0	0	0	0	0	1	5	15	34	55	66	74	83	70	46	54	83	78	69	46	20	7	0	0	34										
7	0	0	3	18	24	17	20	39	53	57	58	64	76	83	78	82	80	76	72	57	51	18	10	0	43										
8	4	10	7	15	7	3	1	1	4	16	18	22	40	56	61	55	65	80	60	45	29	37	45	48	30										
9	42	43	52	55	48	25	15	6	11	13	9	16	25	10	8	13	14	16	10	6	6	3	1	2	19										
10	7	13	11	13	9	2	2	5	12	22	23	25	32	35	32	21	25	31	18	2	0	0	0	0	14										
11	0	1	2	1	1	0	1	6	21	26	29	33	.....	39	37	40	36	35	31	21	1	0	0	0	17										
12	0	2	6	1	4	3	11	16	22	34	43	66	86	104	80	64	96	91	64	25	4	1	0	0	34										
13	0	0	0	0	0	0	1	24	38	60	71	83	97	108	108	99	88	78	52	26	4	1	0	0	39										
14	0	0	0	0	0	3	0	0	11	32	62	73	85	88	59	88	77	65	51	41	24	8	10	1	32										
15	23	32	44	42	19	17	9	19	29	30	35	54	89	100	110	115	80	26	23	4	14	45	48	31	43										
16	30	29	27	20	23	22	18	21	24	24	25	38	58	65	45	52	54	48	39	34	30	32	28	34	34										
17	40	34	23	22	20	14	4	6	7	7	8	.....	18	15	14	12	9	8	5	3	7	9	9	13	.....										
18	0	0	0	0	2	2	1	4	21	24	26	15	30	42	47	63	67	54	34	30	28	30	25	22	24										
19	22	10	5	8	6	13	25	31	23	34	40	57	57	68	85	86	83	63	21	17	20	16	17	15	34										
20	15	14	12	13	11	9	10	13	17	17	17	19	22	25	27	30	32	22	13	4	4	4	4	7	15										
21	11	13	11	7	3	2	2	3	16	28	34	38	38	38	37	38	36	34	18	3	2	2	2	2	17										
22	0	4	1	4	5	1	1	3	17	33	40	54	53	74	70	81	84	90	69	31	30	18	0	0	32										
23	0	0	0	0	0	0	1	0	4	48	66	88	92	94	110	112	118	119	112	92	89	57	24	16	53										
24	9	9	13	25	44	43	27	10	18	14	15	14	11	13	53	15	14	9	8	6	10	6	11	13	17										
25	13	13	13	13	9	2	1	6	13	14	.....	22	28	26	32	42	34	15	19	0	0	0	0	0	14										
26	0	3	6	10	17	8	7	12	20	23	23	29	44	59	58	54	64	58	40	11	0	4	0	0	23										
27	2	4	4	5	9	11	12	15	21	23	25	25	25	25	26	27	27	27	27	28	28	27	27	20	23										
28	24	24	23	21	23	19	10	6	14	21	18	.....	25	33	43	38	37	26	17	28	19	19	23	25	23										
29	30	30	30	27	23	8	0	0	4	9	18	17	17	20	19	15	17	11	5	0	0	0	0	0	13										
30	0	0	0	0	0	0	0	0	2	8	18	20	28	28	23	18	14	9	5	0	7	4	7	11	8										
31	12	15	15	10	8	5	0	3	10	13	20	24	26	.....	24	22	19	18	10	1	0	0	0	0	11										
MEAN	10	11	11	12	11	8	7	11	20	29	34	39	48	52	51	52	52	46	36	24	17	12	11	10	25.4										

PERCENTAGE OF DATA VALID - 96.4      PERCENTAGE OF DATA INVALID - 3.6      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION																							
STATION - C NO 33003														LAWRENCE/KENNEDY SCARBOROUGH												MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN												
1	0	2	3	2	0	0	0	3	13	20	25	32	37	36	39	24	32	42	52	41	47	43	13	0	21												
2	0	0	0	0	0	0	2	11	22	34	37	46	49	60	69	60	65	66	64	64	36	17	21	29	31												
3	32	40	48	41	36	34	28	38	43	49	62	58	59	55	51	43	33	20	13	8	9	12	9	9	35												
4	10	10	12	10	10	8	6	8	11	15	18	24	27	30	32	37	39	34	10	4	9	6	0	1	15												
5	0	0	0	0	0	0	0	2	3	3	2	10	24	***	24	38	54	43	24	22	11	35	30	33	16												
6	22	15	11	10	21	19	3	8	19	31	51	56	48	42	41	36	34	30	17	4	24	21	37	40	27												
7	44	43	43	35	27	12	4	5	8	10	15	17	19	18	21	22	21	18	13	9	10	12	10	18													
8	7	4	4	8	8	17	16	17	8	21	21	20	10	14	21	24	25	3	0	0	0	0	0	10													
9	0	0	2	8	9	11	9	10	16	19	19	23	24	29	31	30	29	27	26	5	8	23	23	20	17												
10	21	22	22	21	21	21	22	21	21	20	20	18	21	25	28	31	32	24	23	20	9	2	1	1	19												
11	0	0	0	0	0	0	0	0	1	6	21	44	63	74	79	65	53	35	21	18	16	7	3	19	22												
12	13	19	29	28	17	11	3	3	5	7	***	15	16	18	22	24	21	14	10	5	7	8	10	13	14												
13	14	15	16	16	15	8	2	3	11	14	18	20	20	20	21	23	21	22	24	26	26	25	25	24	18												
14	23	23	21	17	18	14	7	9	13	14	17	21	24	***	41	42	38	36	24	24	21	18	16	13	21												
15	14	10	4	20	13	2	1	4	11	13	16	15	18	18	14	14	19	12	10	20	11	21	26	21	14												
16	23	18	16	21	13	3	5	10	13	13	16	17	18	12	14	11	8	6	4	3	3	3	2	1	11												
17	0	0	0	2	4	6	4	7	11	10	10	10	11	13	18	19	11	3	1	4	4	3	3	8	7												
18	9	10	14	17	14	7	0	2	9	7	11	14	8	5	8	2	10	14	10	13	6	9	11	15	9												
19	14	17	19	19	10	2	0	2	9	16	15	24	***	28	25	22	22	7	4	1	11	24	25	20	15												
20	28	30	32	21	13	2	3	9	7	14	21	25	32	37	32	36	29	31	22	27	9	5	0	0	19												
21	0	0	0	0	0	0	0	0	4	11	9	7	7	4	5	5	3	3	0	2	5	4	3	3	3												
22	7	8	8	9	4	0	0	3	7	12	14	10	***	14	11	13	8	6	0	0	0	0	0	0	6												
23	0	0	0	0	0	0	0	0	11	19	21	23	24	28	32	42	37	27	9	12	9	1	5	0	12												
24	0	0	0	0	0	0	0	6	18	24	33	38	48	52	46	41	39	30	13	10	2	12	15	23	19												
25	25	22	19	15	12	3	2	3	10	14	12	11	***	11	9	7	5	3	3	3	3	1	1	1	9												
26	3	5	11	11	0	0	0	4	8	11	24	33	34	38	39	36	32	12	2	2	7	11	11	8	14												
27	16	12	0	0	0	0	0	0	16	13	11	12	13	16	12	11	8	7	3	1	1	1	1	1	7												
28	11	15	16	13	8	3	1	2	7	11	12	13	16	12	11	8	7	3	1	1	1	1	1	1	7												
29	0	0	0	0	0	0	0	0	11	10	14	17	***	33	30	27	19	16	18	20	17	11	6	1	11												
30	0	0	6	6	3	2	9	15	10	17	21	25	25	35	32	39	35	32	34	17	16	35	32	30	20												
MEAN	11	11	12	12	9	6	4	7	12	16	20	23	27	28	29	28	27	21	16	13	11	13	12	12	15.7												



POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	22	20	10	7	9	8	13	14	17	19	16	16	16	17	12	6	5	2	1	3	1	3	5	11
2	15	14	12	8	3	0	0	3	10	14	17	19	20	14	15	13	10	5	2	2	2	2	2	2	9
3	0	0	0	7	19	13	10	12	16	20	19	20	23	22	20	21	24	28	28	24	24	14	10	13	16
4	17	23	19	13	16	6	5	3	2	0	0	***	10	11	8	6	3	1	1	1	1	1	1	1	6
5	0	0	0	0	3	1	1	2	5	7	10	15	12	15	18	17	16	15	15	15	17	17	7	13	9
6	16	15	12	15	16	6	0	4	6	7	6	4	7	8	7	4	4	2	2	3	4	4	5	6	7
7	7	9	9	9	9	7	5	10	11	13	14	11	12	10	9	10	6	6	8	10	8	7	5	6	9
8	7	9	9	12	13	12	11	14	14	15	11	14	15	14	14	13	11	5	2	0	0	0	0	0	9
9	0	0	0	0	0	0	0	3	6	11	16	17	20	22	20	18	13	8	9	11	8	8	10	13	9
10	13	7	10	14	8	3	2	2	5	12	20	22	29	31	33	12	4	6	4	2	2	2	2	2	10
11	0	0	0	0	0	0	0	0	5	10	23	23	29	***	23	18	20	2	2	11	21	19	27	30	11
12	28	32	28	23	21	11	3	6	9	14	15	13	16	24	23	10	7	0	13	13	4	1	0	0	13
13	3	2	1	1	1	1	2	5	8	9	8	11	13	10	8	7	3	5	5	10	14	12	13	6	8
14	13	13	13	14	11	9	7	6	6	5	7	9	6	8	11	10	7	5	5	6	7	5	0	0	11
15	2	2	4	7	10	13	12	9	15	20	18	18	17	19	22	23	20	11	4	4	2	2	3	9	11
16	16	19	21	20	16	10	3	7	14	16	20	23	23	23	25	25	21	11	0	0	0	0	0	0	13
17	0	0	0	0	0	0	0	0	7	17	11	7	8	10	12	9	7	2	0	2	3	3	3	0	4
18	0	0	0	0	0	0	0	0	0	0	2	3	5	6	4	1	0	0	0	0	0	0	0	0	1
19	1	6	8	8	4	0	0	0	0	0	0	5	8	7	6	0	0	0	0	0	0	0	4	7	3
20	7	5	4	2	0	0	0	0	1	5	8	7	***	14	13	10	6	0	1	0	0	0	0	0	4
21	0	2	3	2	0	0	0	2	5	12	15	19	22	23	23	24	17	22	25	25	14	12	17	19	13
22	14	14	16	20	19	16	9	12	17	18	20	20	26	31	32	25	25	27	25	31	22	10	2	3	19
23	17	17	17	15	13	5	0	0	3	3	5	5	7	9	8	8	6	4	5	7	4	3	0	0	7
24	0	0	0	0	0	0	0	0	0	2	4	8	***	12	12	7	6	5	4	3	9	2	2	4	4
25	4	4	1	0	0	0	0	0	4	4	4	6	8	11	9	6	7	5	4	8	4	5	5	2	4
26	3	3	5	4	3	4	1	0	0	0	2	5	7	***	6	5	2	0	0	0	0	0	0	0	2
27	4	8	9	7	5	1	0	0	2	6	11	4	2	3	3	3	0	1	1	1	1	1	1	1	3
28	0	0	0	0	0	0	0	0	1	5	10	12	13	13	11	10	7	4	3	3	0	0	0	0	4
29	0	0	0	0	0	0	6	7	8	10	13	15	16	17	17	16	14	3	0	0	0	0	0	0	6
30	0	0	7	13	14	15	12	7	9	11	12	16	17	20	21	14	9	0	0	0	2	2	2	0	8
31	0	0	0	2	2	0	0	0	0	2	3	10	15	13	12	6	6	4	6	6	7	6	5	2	4
MEAN	7	7	7	7	7	5	3	4	6	9	11	13	14	15	15	12	9	6	6	6	6	5	4	5	7.9

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	4	5	5	0	0	0	0	1	8	16	12	10	13	12	8	2	0	0	0	0	0	0	0	4
2	0	0	0	0	0	0	0	0	2	7	9	13	16	17	17	8	2	1	0	0	0	0	0	0	4
3	0	0	0	0	0	0	0	0	7	19	18	22	22	***	26	27	18	5	1	0	0	0	0	0	7
4	0	0	0	0	0	0	0	0	0	4	11	13	10	11	15	10	4	0	0	0	0	0	0	0	3
5	0	0	0	0	2	6	6	8	8	17	19	24	28	32	30	26	14	11	9	12	11	18	19	13	
6	16	20	18	18	14	8	2	1	2	3	3	2	3	3	***	3	3	0	3	2	1	0	0	5	
7	7	7	8	10	10	7	3	0	0	5	11	12	13	15	11	8	3	0	0	0	0	0	0	5	
8	0	0	0	0	0	0	0	0	0	2	4	8	9	11	10	7	4	2	2	3	0	0	1	3	
9	1	2	3	6	7	6	2	0	2	5	7	8	10	8	6	3	0	0	0	0	0	0	0	3	
10	0	0	0	0	0	0	0	0	2	4	7	8	8	***	6	6	3	3	2	2	1	1	0	0	2
11	0	0	0	0	0	0	0	0	0	1	4	9	9	8	8	3	4	2	2	2	2	4	6	7	3
12	9	12	16	17	18	19	19	17	19	19	18	15	16	18	19	10	6	2	0	2	3	7	11	13	
13	16	18	18	17	15	13	5	0	0	0	2	6	7	5	4	3	0	0	0	0	3	4	5	6	
14	9	1	8	11	11	10	10	4	3	6	8	11	12	9	7	6	3	3	3	5	7	6	8	9	7
15	10	12	14	15	15	12	7	0	1	3	6	8	13	***	6	4	1	0	0	0	0	0	0	0	6
16	0	0	0	5	8	6	0	1	3	15	23	25	25	25	25	13	4	7	12	19	21	21	22	13	
17	20	20	21	17	15	14	10	7	7	7	9	10	9	9	9	6	3	3	3	7	5	3	4	9	
18	1	1	3	4	7	9	16	16	14	10	13	14	12	11	11	8	7	0	4	4	2	5	3	7	
19	3	3	4	9	7	7	6	13	18	18	17	18	18	16	13	11	8	7	6	7	11	13	15	11	
20	19	19	19	20	20	19	12	10	10	14	15	15	15	***	15	12	12	10	7	10	15	11	12	11	14
21	12	16	16	14	16	14	7	2	4	10	14	13	14	16	17	16	11	3	1	0	0	0	0	0	9
22	0	0	0	0	0	0	0	0	0	11	18	***	20	19	18	17	13	12	15	16	15	15	14	11	9
23	8	9	10	9	9	7	3	2	3	5	4	4	4	2	0	0	0	0	0	0	0	0	0	0	3
24	0	0	0	0	0	2	0	0	0	0	0	2	5	3	1	***	0	0	0	0	0	0	0	0	2
25	12	11	16	12	12	15	11	7	9	9	8	9	10	10	10	9	7	4	2	3	4	9	8	13	9
26	12	10	11	10	15	15	10	9	14	19	19	18	20	18	19	17	11	4	3	5	11	9	3	9	12
27	15	14	16	15	15	13	8	7	7	9	11	10	8	8	6	3	3	4	3	4	8	5	4	4	8
28	8	6	7	6	2	0	0	0	0	1	3	3	4	4	***	1	0	0	2	2	2	2	2	***	3
29	0	1	3	0	0	0	0	0	0	4	6	9	10	9	7	6	4	2	2	2	1	0	0	1	3
30	2	2	2	5	6	4	7	4	2	7	8	8	6	7	***	8	5	2	1	2	3	4	0	2	4
MEAN	6	6	7	8	7	7	5	4	5	8	10	11	12	12	12	10	8	3	3	3	4	5	5	5	6.7

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - DEC 78												
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	7	6	11	9	5	2	2	2	2	2	2	2	0	0	1	1	0	0	0	0	0	0	2	3
2	8	12	10	15	16	15	8	3	4	6	11	15	17	12	6	9	3	2	2	0	1	3	7	13	8
3	5	4	11	15	15	15	17	13	14	15	18	14	11	10	7	6	6	6	5	4	2	1	0	10	10
4	3	0	2	3	4	7	3	0	2	5	6	9	8	7	8	5	3	4	6	5	9	7	5	5	5
5	6	11	10	8	7	5	4	2	3	6	5	8	7	***	5	2	0	0	0	0	2	2	1	4	5
6	2	1	0	0	1	1	0	0	0	1	3	4	8	6	3	3	0	0	0	2	4	3	2	2	7
7	1	6	5	8	8	10	4	0	0	2	5	5	12	15	15	14	11	9	9	8	8	6	4	3	7
8	1	0	0	0	0	0	0	0	0	0	1	3	5	***	***	1	1	1	3	1	3	3	6	12	2
9	11	12	12	14	15	13	5	1	4	6	10	11	9	9	8	6	6	5	4	6	6	6	7	8	8
10	7	9	9	12	12	11	13	15	13	13	14	13	14	12	10	9	7	5	8	7	6	5	6	5	10
11	5	5	5	3	3	2	1	0	1	2	3	3	3	2	2	0	0	0	0	0	0	1	1	0	2
12	0	0	0	0	1	1	1	1	1	2	5	7	8	***	3	1	1	2	3	3	4	4	3	3	2
13	3	2	2	2	5	5	2	1	2	4	3	3	4	6	6	5	3	2	3	5	6	8	9	7	4
14	10	11	12	13	14	15	9	2	1	2	6	9	12	10	6	1	0	0	1	1	2	2	4	5	6
15	6	5	5	5	3	3	2	1	1	2	4	5	7	7	6	***	0	0	0	0	0	0	0	0	3
16	1	0	1	1	0	0	0	0	0	1	2	2	2	2	2	2	1	0	0	1	0	0	1	1	1
17	0	0	0	7	12	13	13	14	14	12	12	12	11	11	10	10	8	7	7	7	8	9	8	8	9
18	9	9	11	10	10	5	1	0	0	0	2	5	5	6	5	4	2	4	4	4	5	5	5	5	5
19	4	6	10	12	10	8	2	0	1	5	7	8	9	7	***	3	2	1	1	2	3	6	7	4	5
20	6	6	6	7	8	7	11	4	1	1	6	10	13	11	9	6	6	6	4	3	0	0	0	0	5
21	0	0	0	0	3	3	5	6	8	10	11	12	12	12	12	7	1	1	0	0	0	2	1	4	4
22	1	3	6	7	8	6	3	1	0	0	3	3	3	3	2	1	2	1	1	1	2	5	8	9	3
23	14	13	14	12	12	10	9	6	5	7	7	8	11	11	10	6	3	0	0	0	0	0	0	0	7
24	0	0	0	0	3	10	13	13	13	13	13	13	11	9	8	8	9	9	9	8	3	4	6	8	8
25	10	7	9	9	12	11	11	10	8	8	7	9	12	12	12	12	12	12	14	13	10	10	12	10	10
26	14	16	18	18	16	14	12	11	12	12	13	12	12	12	12	6	4	2	2	2	2	2	1	1	9
27	8	10	12	14	15	13	9	1	3	6	9	8	6	3	***	9	5	3	2	2	2	5	2	0	6
28	0	2	10	15	16	7	6	1	2	3	7	10	11	8	8	4	0	0	0	0	0	0	1	0	5
29	0	1	1	1	1	0	0	0	1	4	6	5	9	***	13	3	0	0	0	0	0	1	7	1	2
30	3	5	6	7	13	11	7	4	4	7	11	12	12	12	11	9	2	0	0	0	0	0	0	0	6
31	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1
MEAN	5	5	6	7	8	7	6	4	4	5	7	8	9	8	7	5	3	3	3	3	3	3	3	4	5.2

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - OZONE-CHEMILUMINESCENT

## UNITS - PARTS/BILLION

## STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	9.7	21	28
FEB	28	10.5	18	31
MAR	31	18.9	35	80
APR	30	21.0	38	58
MAY	31	30.1	64	128
JUN	30	24.7	60	108
JUL	31	30.0	64	124
AUG	30	25.4	53	119
SEP	30	15.7	35	79
OCT	31	7.9	19	33
NOV	30	6.7	14	32
DEC	31	5.2	10	18
YEAR	364	17.2	64	128

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	389	279	64	0	0	0	0	0	732
FEB	357	229	77	1	0	0	0	0	664
MAR	257	143	167	157	13	0	0	0	737
APR	155	220	161	166	12	0	0	0	714
MAY	144	132	147	201	76	24	8	0	732
JUN	189	160	153	125	72	6	4	0	709
JUL	188	124	118	163	108	24	7	0	732
AUG	257	127	120	91	84	28	10	0	717
SEP	304	189	113	84	22	0	0	0	712
OCT	501	182	50	6	0	0	0	0	739
NOV	521	170	18	1	0	0	0	0	710
DEC	606	130	0	0	0	0	0	0	736
YEAR	3868	2085	1188	995	387	82	29	0	8634

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	PERCENT DISTRIBUTION	95	98	99	MAX	ARITH MEAN
98.6	0	0.0	4.9	11.9	20.6	39.3	52.8	73.1	83.6		128	17.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27	28	44	46	48	49	30	14	17	27	31	44	51	56	66	57	56	30	25	11	6	9	14	16	14	33
28	10	6	5	6	3	2	3	4	7	****	21	24	31	36	37	31	32	27	22	8	8	9	1	0	14
29	0	0	0	0	0	2	8	10	20	30	30	28	28	21	16	23	38	43	46	38	22	24	15	7	19
30	13	14	15	13	13	10	8	8	14	19	21	23	23	23	25	28	29	29	27	11	3	0	0	0	15
31	0	0	0	0	2	1	3	10	18	19	22	26	30	31	42	36	32	41	22	7	2	0	0	0	14
MEAN	10	13	13	13	13	9	7	10	17	25	28	30	34	35	35	35	32	33	26	14	9	9	6	4	19.2

PERCENTAGE OF DATA VALID - 16.0

PERCENTAGE OF DATA INVALID - 84.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - AUG 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	1	23	40	45	63	76	88	88	95	77	52	69	51	22	0	0	0	33
2		0	0	0	0	0	0	0	7	34	65	82	92	102	100	87	79	73	56	40	39	56	66	51	49	45
3		58	44	39	36	38	31	15	11	17	20	15	20	38	40	47	48	44	40	43	31	17	17	16	20	31
4		25	25	27	25	22	11	4	9	16	***	27	31	28	28	31	44	43	38	23	13	2	0	0	0	21
5		0	0	0	0	0	0	0	2	14	28	49	51	56	54	56	64	65	68	69	55	46	28	9	0	30
6		0	0	0	0	0	0	0	6	35	60	75	83	93	90	98	106	108	110	91	71	27	1	0	0	44
7		0	0	0	0	0	0	1	5	31	65	66	71	78	80	72	77	83	63	48	27	4	0	0	0	32
8		0	0	0	1	0	0	3	7	10	20	***	37	47	64	70	73	81	101	88	67	49	45	61	53	38
9		51	54	59	63	55	44	29	19	19	20	22	35	41	33	21	23	29	28	13	13	1	0	0	0	28
10		0	2	6	9	9	8	2	3	9	17	21	20	23	27	29	31	23	22	13	3	1	0	0	0	12
11		0	0	0	0	0	0	0	0	12	16	17	18	31	24	26	33	39	13	16	11	0	0	0	0	11
12		0	0	0	0	0	0	0	2	23	47	55	76	90	97	103	114	115	110	79	61	11	0	0	0	41
13		0	0	0	0	0	0	0	10	28	74	66	79	106	117	117	109	103	93	74	44	15	0	0	***	45
14		***	***	***	***	***	***	***	2	21	39	103	126	113	96	87	112	112	102	80	50	31	8	0	0	64
15		0	0	0	0	0	0	0	4	23	42	52	77	91	110	108	110	103	45	8	0	2	13	24	11	34
16		10	15	14	10	23	28	20	17	20	26	23	42	58	***	***	60	66	60	58	52	42	40	40	40	35
17		49	42	32	24	21	16	7	6	7	9	10	11	19	24	26	25	22	19	11	0	0	0	0	0	17
18		0	0	0	0	0	0	0	1	10	19	29	30	63	68	85	88	65	72	27	25	8	4	1	2	25
19		12	5	1	0	0	2	8	15	27	33	41	55	70	82	93	87	81	46	29	28	21	19	18	16	33
20		17	15	13	12	12	9	8	12	14	18	21	23	30	34	37	41	38	34	29	7	2	8	5	1	18
21		1	0	0	0	0	0	0	1	4	12	19	39	39	39	43	45	43	38	29	3	1	0	0	0	15
22		0	0	0	0	0	0	0	0	12	27	49	67	84	***	93	108	122	122	109	79	30	0	0	0	39
23		0	0	0	0	0	0	0	1	3	57	82	99	110	135	140	131	118	111	78	73	37	22	38	56	
24		4	0	1	1	42	45	19	13	13	24	***	23	8	5	37	24	9	7	6	5	6	3	4	10	13
25		12	11	12	8	7	3	0	2	4	15	20	28	34	43	48	46	39	17	5	1	0	0	0	0	15
26		0	0	0	0	0	1	2	8	25	35	41	47	69	78	78	71	78	82	55	27	2	1	1	0	29
27		0	0	2	3	6	8	10	11	23	24	28	33	33	31	32	29	29	26	24	24	27	28	27	27	20
28		27	27	24	22	19	10	3	2	12	17	27	35	38	45	***	48	53	51	35	27	31	28	28	32	28
29		35	36	33	30	24	6	2	1	3	10	14	18	31	32	34	29	27	22	17	2	0	0	0	0	17
30		0	0	0	0	0	0	0	0	3	6	23	31	39	44	44	35	27	16	3	4	1	2	2	1	12
31		3	2	2	3	2	2	0	0	1	5	13	26	37	39	41	43	34	31	23	5	0	0	0	0	13
MEAN		10	9	9	8	9	7	4	6	16	30	39	48	57	60	65	65	63	55	43	29	17	11	10	10	28.4

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 2.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - SEP 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	1	4	25	34	48	59	57	54	71	82	74	62	24	40	18	2	6	28
2		0	0	0	0	0	0	1	8	27	45	49	56	60	80	95	94	87	86	76	74	50	30	40	42	42
3		50	53	53	43	32	29	11	30	48	57	65	70	72	92	89	64	53	31	17	9	12	12	7	5	42
4		8	8	7	8	3	2	2	9	15	19	23	30	37	48	53	51	49	39	29	12	16	14	2	0	20
5		0	0	0	0	0	0	0	1	3	4	4	7	34	-	-	76	80	51	29	27	2	26	7	14	17
6		26	16	3	0	2	10	17	19	25	46	68	76	68	60	59	54	53	43	26	7	55	44	52	53	37
7		56	50	47	44	40	28	10	5	4	6	10	14	21	20	20	19	14	12	9	7	8	10	9	12	20
8		15	9	2	4	3	10	11	6	8	13	15	14	14	15	16	19	20	13	1	0	0	0	0	0	9
9		0	0	0	0	4	9	8	9	19	23	24	25	28	30	36	36	35	30	16	8	0	10	18	23	16
10		23	26	27	27	28	28	25	21	12	11	11	10	22	28	25	30	25	11	11	4	0	0	0	0	17
11		0	0	0	0	0	0	0	0	0	8	25	44	80	87	91	90	79	53	18	8	8	3	5	9	25
12		11	11	22	27	22	10	4	2	3	5	***	16	20	***	***	21	15	7	1	1	2	3	6	10	10
13		17	18	19	19	19	4	1	3	9	16	21	24	26	26	24	23	23	16	15	19	16	11	12	16	17
14		24	29	27	24	21	10	2	3	8	11	15	16	12	14	23	31	30	26	23	19	23	26	18	13	19
15		12	11	2	13	19	7	0	4	8	18	***	22	23	24	23	22	24	22	12	28	20	21	29	29	17
16		26	23	21	18	17	4	3	8	12	16	17	23	25	24	23	23	22	19	8	5	2	0	0	0	14
17		0	0	0	5	6	6	8	9	6	5	4	4	5	8	13	15	15	10	4	1	1	2	1	2	5
18		8	7	11	15	16	7	0	0	6	10	11	10	11	9	8	4	5	9	12	5	3	1	2	3	7
19		10	11	11	16	12	7	1	1	2	8	9	***	18	22	26	24	12	8	3	2	6	9	8	23	11
20		10	8	9	5	5	0	0	5	11	15	21	27	32	37	39	52	47	8	4	4	0	3	0	0	14
21		0	0	0	0	0	0	0	0	3	14	19	16	16	10	10	11	11	9	4	6	10	8	4	5	7
22		7	8	9	9	8	3	0	0	5	9	13	12	13	13	17	15	17	7	0	0	0	0	0	0	7
23		0	0	0	0	0	0	0	0	2	14	20	23	28	30	39	39	40	32	7	0	0	0	0	0	11
24		0	0	0	0	0	0	0	0	7	29	38	50	55	63	64	61	56	55	40	22	3	2	7	17	24
25		29	29	23	21	19	8	2	5	13	18	20	19	21	19	19	20	18	12	4	4	3	0	0	0	14
26		0	0	0	0	3	0	0	3	24	19	0	0	25	28	31	33	31	26	21	16	15	15	19	11	13
27		18	15	4	4	4	2	1	6	13	30	43	47	48	50	59	57	40	29	4	0	0	0	0	0	11
28		13	19	20	17	14	8	2	6	12	16	19	22	***	22	22	21	18	10	2	0	0	0	0	0	11
29		0	0	0	0	0	0	0	0	0	8	18	25	31	32	34	34	19	14	5	10	18	15	9	3	11
30		0	0	0	0	0	0	0	0	15	25	29	40	45	48	50	44	41	17	7	33	18	40	44	35	22
MEAN		12	12	11	11	10	6	4	5	11	18	23	27	33	36	38	38	35	26	16	12	12	11	11	11	17.7

POLLUTANT - OZONE-CHEMILUMINESCENT																	UNITS - PARTS/BILLION													
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK																	MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN					
1	35	31	25	12	7	9	11	12	17	20	27	21	24	22	25	22	16	8	8	4	2	2	1	0	15					
2	0	0	2	5	1	0	0	0	6	15	20	23	26	26	24	24	20	12	1	0	0	0	0	0	9					
3	0	0	0	0	5	15	11	13	17	21	22	20	19	21	19	15	16	17	22	22	16	11	6	19	14					
4	11	23	24	19	19	11	4	2	5	3	3	9	***	***	14	8	7	6	2	0	0	0	0	0	8					
5	0	0	0	0	0	0	0	0	4	7	10	12	17	18	14	14	3	8	2	10	17	27	18	5	8					
6	4	8	15	20	22	10	0	3	5	8	10	5	9	***	13	11	8	2	5	7	4	7	8	8	7					
7	10	11	13	13	15	16	8	16	20	22	24	24	20	24	26	23	18	18	9	12	21	20	8	10	17					
8	8	7	10	14	15	16	18	13	18	21	21	19	23	23	21	26	21	19	5	0	0	0	0	0	13					
9	0	0	0	0	0	0	0	0	4	14	22	23	30	30	30	29	26	30	21	13	16	11	11	18	14					
10	12	7	8	16	15	6	1	2	7	12	24	32	36	38	54	30	16	6	3	10	0	0	0	0	14					
11	0	0	0	0	0	0	0	0	0	14	25	38	****	37	31	28	16	2	0	0	3	22	27	38	12					
12	38	36	35	28	31	23	12	8	13	19	23	22	27	33	36	31	19	4	16	21	10	5	0	0	20					
13	0	0	0	0	0	0	0	0	0	8	14	17	19	19	15	19	9	10	3	3	7	10	7	11	7					
14	10	11	13	9	12	10	7	6	4	5	8	8	11	19	17	18	15	14	4	9	12	6	0	0	10					
15	0	0	3	3	2	5	7	14	17	21	21	22	26	25	25	21	18	12	2	2	0	0	0	4	10					
16	9	20	24	21	18	6	0	3	12	19	22	24	24	21	21	20	14	4	****	****	****	****	****	****	16					
17	DATA INVALID																4	****	8	3	3	1	0	0	0	0	0	0	0	0
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	1	0	0	0	0	0	0	0					
19	0	0	8	10	7	3	0	0	0	0	7	12	11	10	2	0	0	0	0	0	0	0	8	11	4					
20	14	8	0	0	0	0	0	0	0	2	10	13	****	13	15	14	7	0	0	2	0	0	0	0	4					
21	0	0	0	0	0	0	0	1	6	10	16	20	29	29	31	31	36	41	36	34	27	7	23	9	16					
22	12	13	18	19	18	15	4	8	18	18	21	24	34	36	41	28	39	40	36	40	35	24	7	7	23					
23	21	23	20	18	16	12	6	2	2	5	8	12	16	20	21	17	16	15	15	13	7	0	0	0	12					
24	0	0	0	0	0	0	0	0	3	3	5	7	15	15	15	19	11	4	5	6	4	5	10	2	5					
25	5	5	4	0	0	0	0	1	5	7	5	7	9	15	12	9	9	7	10	7	6	3	9	2	6					
26	5	6	7	6	4	3	2	0	0	0	2	4	12	11	11	10	5	3	3	1	1	0	1	1	4					
27	5	11	12	10	7	5	0	0	3	8	14	9	3	2	7	4	3	1	0	0	0	0	0	0	7					
28	0	1	0	0	0	0	0	0	3	8	16	23	25	25	22	19	17	8	3	3	4	1	0	0	7					
29	0	0	0	0	0	0	0	0	2	7	9	13	16	16	16	13	7	2	0	0	0	0	0	0	4					
30	0	0	3	16	19	20	11	3	8	12	18	17	16	20	21	16	9	1	0	0	0	0	3	3	9					
31	0	0	0	2	3	0	0	0	0	4	7	18	28	28	30	25	15	7	7	10	7	6	3	0	8					
MEAN	7	8	8	8	8	6	4	4	7	11	15	17	20	22	21	18	14	10	8	8	7	6	5	5	10.2					

PERCENTAGE OF DATA VALID - 93.7

PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																	UNITS - PARTS/BILLION									
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK																	MONTH - NOV 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	2	7	20	21	20	15	13	6	0	0	0	0	0	0	0	4	
2	0	0	0	0	0	0	0	0	0	6	10	15	25	26	27	25	10	0	0	0	0	0	0	0	6	
3	0	0	0	0	0	0	0	0	0	4	20	30	29	***	30	23	3	2	0	0	0	0	0	0	6	
4	0	0	0	0	0	0	0	0	0	5	7	16	11	10	9	5	2	0	0	0	0	0	0	0	3	
5	0	0	0	0	0	0	0	0	0	1	12	18	28	35	37	36	35	26	5	4	10	17	12	14	12	
6	21	18	19	24	20	19	9	2	3	4	7	5	5	6	6	6	10	5	6	6	4	0	0	0	9	
7	10	8	12	15	12	12	6	0	0	5	10	13	16	16	***	18	10	1	0	0	0	0	0	0	7	
8	0	0	0	0	0	0	0	0	0	2	7	9	13	16	12	9	3	1	1	1	0	0	0	2	3	
9	2	3	4	8	9	6	1	1	4	8	10	14	17	16	12	7	2	0	0	0	0	0	0	0	5	
10	0	0	0	0	0	0	0	0	1	2	5	5	8	3	3	4	3	1	1	0	0	0	0	0	2	
11	0	0	0	0	0	0	0	0	0	2	5	13	18	17	14	2	4	3	3	2	1	5	5	4	4	
12	7	10	13	15	19	19	19	20	19	20	17	17	15	13	14	14	10	4	3	2	0	1	3	5	12	
13	12	18	18	17	15	13	4	0	0	0	2	4	3	2	2	2	0	0	0	0	1	3	2	3	5	
14	9	2	5	12	13	12	10	8	3	5	8	12	17	16	***	11	7	4	5	6	12	10	10	9	9	
15	11	15	17	17	16	10	3	2	4	10	12	19	19	12	10	4	0	0	0	0	0	0	0	0	8	
16	0	0	0	0	0	0	0	0	0	4	23	26	21	22	25	16	9	1	1	1	1	6	15	19	8	
17	21	22	25	18	17	16	7	2	3	2	3	4	4	7	5	4	3	3	4	5	9	4	5	6	8	
18	2	2	4	6	7	10	16	20	19	18	19	18	17	16	19	15	14	5	6	4	6	6	3	3	11	
19	2	4	5	10	8	7	6	5	10	24	25	25	25	24	23	21	16	11	9	14	9	12	17	19	15	
20	24	23	22	24	24	22	18	8	7	11	16	16	19	19	17	12	10	5	6	9	10	8	9	13	15	
21	13	9	15	21	21	17	6	0	2	5	***	11	12	11	11	7	3	0	0	0	0	0	0	0	7	
22	0	0	0	0	0	0	0	0	2	19	21	22	20	17	11	11	8	10	11	13	13	11	9	8	9	
23	8	7	7	7	8	7	3	0	0	0	0	2	3	2	1	***	0	0	0	0	0	0	0	0	2	
24	0	0	0	0	0	2	1	0	0	0	1	2	7	7	6	4	2	0	0	2	7	15	17	15	4	
25	17	20	23	25	21	16	19	19	19	18	21	20	22	22	23	20	15	15	8	4	2	9	11	11	17	
26	4	6	9	9	12	15	12	9	13	18	19	20	22	22	21	18	9	2	2	3	4	6	4	7	11	
27	13	16	18	19	19	15	9	6	6	7	10	8	13	6	3	2	3	2	0	1	3	3	3	3	8	
28	7	8	7	5	4	1	0	0	0	1	2	4	6	5	3	1	2	0	2	2	3	4	1	0	3	
29	0	2	2	0	1	1	0	1	2	4	***	13	10	11	10	6	3	2	0	0	0	0	0	0	3	
30	3	3	3	5	6	5	14	5	5	12	21	19	21	24	20	18	8	4	5	4	9	7	2	4	9	
MEAN	6	7	8	9	9	8	6	4	4	7	11	14	15	15	14	12	7	4	3	3	3	4	4	5	7.5	

PERCENTAGE OF DATA VALID - 99.2

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	6	8	10	9	6	4	4	3	3	3	2	3	3	2	3	2	0	0	0	0	0	0	3	3
2	17	17	19	20	22	17	11	5	4	11	18	22	24	25	21	15	14	9	0	0	0	0	4	8	13
3	3	2	6	14	14	15	16	17	17	14	13	10	8	10	6	4	3	3	4	3	0	0	0	0	8
4	0	0	0	2	6	8	4	0	0	3	9	13	13	13	12	10	9	8	11	9	12	10	8	9	7
5	8	14	15	12	10	10	6	4	4	8	8	***	11	10	9	4	1	0	0	0	0	1	6	2	6
6	3	3	0	0	0	0	0	0	0	1	5	8	16	13	9	8	3	0	0	0	7	8	7	3	4
7	5	8	11	11	9	7	6	0	0	3	1	2	9	7	10	9	3	7	6	3	4	3	0	0	5
8	0	0	0	0	0	0	0	0	0	***	1	5	8	11	9	3	3	3	3	3	11	6	11	10	14
9	8	9	14	14	20	18	16	10	4	8	23	24	23	23	21	16	13	12	12	10	12	12	13	12	14
10	12	11	16	16	17	16	18	14	18	20	23	25	23	20	20	16	15	12	12	10	9	9	10	5	15
11	6	7	6	5	5	4	4	4	4	10	8	8	6	6	3	2	2	1	1	1	1	1	1	1	4
12	0	0	0	0	1	3	1	2	3	5	10	14	16	12	***	3	3	3	6	4	5	4	4	4	9
13	6	3	5	7	7	7	5	6	6	11	7	7	9	11	13	11	6	4	7	10	12	17	17	17	9
14	18	20	21	23	25	27	23	8	5	***	12	22	21	19	15	3	3	3	7	6	8	7	10	12	14
15	10	9	8	9	7	6	5	3	3	5	9	10	14	14	13	8	4	2	2	2	2	2	2	2	6
16	3	3	3	3	2	0	0	0	0	2	3	3	6	5	7	5	2	1	1	2	0	1	1	2	2
17	2	2	2	11	25	28	29	28	26	26	25	25	26	26	25	24	18	15	13	18	23	23	16	20	
18	16	16	18	17	17	11	7	0	0	0	0	***	8	18	16	15	13	6	10	7	14	12	13	11	11
19	10	12	17	19	19	20	10	3	6	13	21	24	24	22	17	10	5	3	2	6	6	4	3	2	12
20	1	3	3	6	9	13	9	2	0	5	7	5	6	9	4	4	5	3	3	0	0	0	0	0	4
21	0	0	0	0	2	2	5	7	10	14	19	21	25	25	24	16	4	3	1	1	4	0	3	6	8
22	3	4	7	8	8	6	6	3	2	4	5	7	4	5	4	2	4	3	3	2	2	12	12	14	5
23	16	20	20	15	12	14	10	6	9	13	16	19	23	20	17	14	12	2	0	0	0	0	0	0	11
24	0	0	0	0	4	8	3	14	16	17	15	10	12	9	7	5	3	2	3	3	4	3	2	2	6
25	5	5	10	8	10	12	13	11	12	13	13	11	16	19	19	18	18	18	20	17	16	15	12	19	15
26	23	22	21	22	20	17	15	14	18	15	20	19	19	21	18	15	12	7	6	7	6	4	1	***	15
27	8	14	18	20	22	20	14	2	2	6	***	15	17	20	17	15	7	4	3	1	1	3	2	0	10
28	0	0	0	5	16	13	5	2	1	9	16	17	15	18	19	8	2	0	0	0	0	0	0	0	6
29	0	0	0	0	0	0	0	0	0	1	1	3	4	9	11	7	1	0	0	0	4	9	9	1	3
30	3	2	2	9	9	10	6	2	2	7	8	8	8	5	3	1	1	0	0	0	0	0	0	0	4
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	6	7	8	9	11	10	8	6	6	9	11	12	14	14	13	9	6	4	4	4	5	5	6	5	7.9

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT					UNITS - PARTS/BILLION				
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK									
MONTH	NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING		
JAN			DATA UNAVAILABLE						
FEB			DATA UNAVAILABLE						
MAR			DATA UNAVAILABLE						
APR			DATA UNAVAILABLE						
MAY			DATA UNAVAILABLE						
JUN			DATA UNAVAILABLE						
JUL	5		19.2		33		66		
AUG	31		28.4		64		140		
SEP	30		17.7		42		95		
OCT	29		10.2		23		54		
NOV	30		7.5		17		37		
DEC	31		7.9		20		29		
YEAR	156		14.5		64		140		

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN									
FEB									
MAR									
APR									
MAY									
JUN									
JUL	45	19	30	20	5	0	0	0	119
AUG	293	80	95	113	81	32	35	0	729
SEP	329	153	110	63	47	10	0	0	712
OCT	409	167	90	30	1	0	0	0	697
NOV	498	160	52	4	0	0	0	0	714
DEC	502	185	50	0	0	0	0	0	737
YEAR	2076	764	427	230	134	42	35	0	3708

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
84.0	0	0.0	2.0	7.9	16.6	34.7	53.7	81.2	97.9	140	14.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	4	5	7	10	14	16	15	17	15	14	16	15	8	9	9	7	9	16	21	23	22	22	19	13
2	27	23	22	19	15	25	20	16	16	21	23	21	29	27	23	23	16	10	14	15	13	14	13	13	19
3	15	12	13	13	14	13	8	10	15	17	21	25	20	17	15	4	0	0	1	2	11	4	14	12	
4	17	18	17	11	11	8	3	***	3	11	15	7	15	16	13	11	7	2	3	4	5	4	1	1	9
5	2	1	0	0	0	0	0	0	0	0	4	4	5	4	3	1	0	0	0	0	0	0	0	0	1
6	0	8	17	13	10	11	4	0	0	1	4	6	7	8	5	2	0	0	2	0	0	2	3	3	4
7	1	4	6	5	9	8	6	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	2
8	0	0	0	0	0	2	1	1	1	1	4	3	1	2	1	2	0	0	0	0	0	2	5	7	1
9	13	17	17	19	19	19	17	15	17	19	16	20	17	17	14	12	11	13	16	17	15	16	17	16	
10	21	21	20	22	22	21	14	13	13	17	19	23	24	23	26	23	21	23	21	23	24	23	17	17	20
11	19	18	20	23	25	25	22	***	20	21	18	18	20	23	25	23	18	13	20	5	12	8	8	10	18
12	12	14	16	18	22	19	19	8	4	5	5	14	***	15	***	0	0	0	0	0	0	0	0	0	8
13	0	0	0	0	0	0	1	1	1	1	2	3	4	6	7	5	3	1	1	3	5	7	9	14	3
14	17	19	20	22	19	17	14	13	17	18	19	20	22	21	20	20	18	20	20	19	20	19	20	19	
15	21	20	20	20	21	16	16	15	12	14	18	21	22	22	24	23	21	11	15	13	13	13	4	17	
16	16	20	20	19	21	22	21	3	4	8	10	16	22	24	25	25	23	17	12	9	3	1	0	14	
17	0	0	0	0	1	0	0	***	0	2	2	4	6	9	9	2	0	0	2	6	10	13	14	15	4
18	18	16	18	18	19	20	17	13	10	12	17	21	22	23	23	17	5	1	1	0	0	0	0	12	
19	2	1	0	0	0	0	0	0	0	1	2	4	8	15	***	6	2	0	0	0	1	1	0	2	2
20	6	15	20	20	21	20	16	5	2	7	9	11	14	13	16	12	12	10	7	9	14	15	14	14	13
21	16	19	21	21	22	23	22	19	15	20	23	24	25	25	22	18	13	4	0	0	0	0	0	0	15
22	0	0	6	10	3	11	7	14	11	13	19	22	23	23	23	20	19	13	15	19	19	15	11	14	
23	7	6	6	5	6	8	12	1	3	9	13	19	24	24	24	23	19	13	6	9	13	14	14	12	
24	9	5	4	3	5	7	6	3	4	11	15	19	21	21	16	3	1	3	1	1	2	2	0	0	7
25	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	3	6	7	1
26	9	10	6	4	6	9	7	4	4	10	13	15	16	16	15	14	12	12	13	15	18	20	21	22	12
27	22	22	22	22	21	21	21	20	18	17	17	18	20	20	21	19	16	9	11	14	16	17	13	11	18
28	17	19	20	21	22	21	19	14	6	9	18	20	23	24	25	20	15	10	8	8	12	16	14	14	16
29	14	13	12	13	15	18	13	8	7	9	12	17	21	21	22	21	19	16	14	14	15	14	12	4	14
30	8	17	17	17	15	13	6	0	1	2	5	13	23	23	20	19	6	0	5	9	8	13	15	17	11
31	20	19	16	15	11	6	2	0	3	9	13	16	20	20	21	23	20	7	2	9	19	22	19	17	14
MEAN	11	12	12	12	12	13	11	8	7	10	12	14	17	17	16	13	10	7	7	8	9	10	9	9	11.1

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT										UNITS - PARTS/BILLION															
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE										MONTH - FEB 78															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	22	22	21	18	15	10	3	4	14	19	22	27	28	29	29	22	15	12	12	12	10	10	11	17
2	6	11	12	12	4	4	0	0	0	2	10	15	30	36	36	34	27	13	5	0	4	4	0	8	11
3	12	10	6	1	7	8	1	0	0	2	6	11	22	24	24	24	16	4	1	0	2	2	0	1	8
4	6	8	11	12	13	11	10	6	9	12	16	14	18	20	15	17	12	0	0	0	0	0	0	0	9
5	0	0	0	0	0	0	0	0	2	4	12	16	20	20	20	18	16	12	8	6	9	8	9	10	9
6	18	20	21	17	17	14	9	5	5	11	15	19	21	21	21	17	14	12	14	18	19	20	20	19	16
7	21	21	23	23	23	21	16	11	12	15	18	19	22	23	23	20	17	13	9	9	12	14	7	6	17
8	9	13	20	19	19	20	11	3	3	10	14	21	25	26	27	21	14	3	0	0	0	0	0	2	12
9	12	12	20	19	18	20	12	0	5	12	20	22	26	***	29	25	13	1	0	0	0	0	0	0	12
10	0	0	1	1	1	1	0	0	2	10	21	24	28	30	34	32	24	19	12	23	27	32	28	21	15
11	15	17	21	25	26	20	22	14	15	19	22	25	30	33	32	31	28	22	24	17	23	24	32	30	24
12	25	26	28	30	30	30	30	29	26	28	28	26	24	23	21	19	19	18	20	19	18	22	13	24	24
13	0	0	2	11	21	18	8	5	5	18	21	22	22	21	24	20	16	8	0	0	3	6	2	0	11
14	0	4	7	9	14	9	3	0	5	13	18	21	25	28	28	26	22	9	0	1	1	1	1	1	10
15	0	0	2	2	3	0	0	1	1	8	***	***	38	40	41	38	21	12	2	3	4	19	21	10	12
16	11	8	4	0	11	22	18	10	10	20	27	30	29	29	40	42	37	30	34	21	12	11	30	36	22
17	29	17	24	24	25	10	4	4	9	17	23	29	33	35	31	32	30	18	6	6	16	7	6	17	19
18	6	0	0	4	0	0	0	7	13	20	27	31	34	32	37	38	33	21	13	8	0	0	0	0	14
19	3	0	0	0	0	4	13	11	16	21	26	31	32	32	31	29	21	12	12	4	0	1	0	1	14
20	0	2	0	0	0	0	0	0	0	4	9	25	50	48	53	54	52	48	31	26	4	0	0	10	17
21	18	29	30	17	5	6	0	0	3	14	31	45	51	51	***	43	30	22	12	13	18	10	13	10	20
22	11	16	7	2	4	4	3	0	6	20	23	26	27	29	29	26	16	8	9	5	9	2	12	17	13
23	21	24	29	24	22	16	9	1	6	13	17	30	43	47	46	35	38	30	33	25	20	11	20	15	24
24	12	16	16	14	24	23	16	7	***	22	25	29	32	32	31	31	24	24	22	40	40	43	38	40	26
25	28	11	6	0	5	10	9	5	5	17	19	19	24	26	26	25	18	6	3	12	0	0	0	0	11
26	0	0	3	3	23	13	12	12	18	21	24	26	26	25	25	21	14	2	5	4	0	5	5	13	17
27	12	17	16	16	17	12	4	3	4	13	27	32	36	33	35	34	27	19	15	4	2	8	14	18	17
28	12	10	8	4	0	0	0	***	0	10	18	39	50	59	59	55	47	43	14	0	4	8	0	0	19
MEAN	11	11	12	11	13	11	8	5	7	14	20	25	30	32	31	30	24	17	11	10	10	9	10	11	15.5

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE													MONTH - MAR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	21	32	29	27	9	5	8	22	40	43	42	46	50	47	45	16	0	0	2	14	4	0	21	
2	5	12	5	16	12	4	0	0	0	6	14	27	31	35	39	38	36	30	16	17	12	2	0	2	15	
3	0	0	0	3	0	0	0	0	9	13	20	23	27	23	***	23	26	21	18	13	21	30	25	19	8	14
4	3	4	7	14	17	27	16	17	22	23	23	27	28	28	27	27	23	20	10	13	15	18	4	4	17	
5	0	3	14	14	16	19	21	23	28	31	34	35	36	36	36	37	34	37	39	36	38	35	27	17	27	
6	16	23	23	15	5	6	0	0	4	14	22	34	40	50	50	***	43	27	9	5	0	1	0	1	17	
7	5	16	23	22	27	17	3	3	16	27	36	38	40	40	37	31	27	15	5	15	16	11	12	9	20	
8	17	19	22	19	13	11	0	0	4	6	13	29	33	33	37	32	16	4	0	0	0	0	0	0	13	
9	0	0	0	4	0	0	0	0	3	14	21	33	45	51	46	38	35	42	25	48	56	35	23	22	22	
10	3	25	28	29	19	3	2	4	11	27	47	57	69	84	89	92	64	32	15	1	7	5	25	11	31	
11	20	4	3	0	3	10	9	19	30	34	42	72	71	52	44	44	56	48	91	80	82	46	53	46	40	
12	62	27	31	46	49	30	32	56	56	63	58	56	57	52	51	54	52	39	14	7	4	3	5	3	38	
13	3	2	3	2	1	1	0	0	0	4	15	28	39	31	30	41	27	30	13	23	19	20	4	12	15	
14	23	28	51	55	58	45	36	***	3	10	28	28	26	23	36	35	33	39	41	34	34	31	30	32	24	
15	34	34	34	36	33	29	20	15	17	22	27	32	34	32	29	26	28	18	13	9	8	10	13	19	24	
16	17	16	20	26	24	26	9	3	4	4	9	14	15	20	15	14	13	3	3	7	10	4	13	15	13	
17	23	33	35	19	11	5	0	5	22	20	24	26	28	26	***	19	27	31	27	20	21	24	21	3	20	
18	15	21	22	25	27	23	22	25	29	30	37	42	48	43	51	49	56	56	50	44	30	25	31	31	35	
19	33	31	29	27	28	30	34	35	38	38	34	35	35	34	35	34	34	32	29	28	24	23	20	18	31	
20	22	23	15	21	6	4	0	2	19	35	20	21	16	12	30	31	15	7	4	9	4	5	0	0	13	
21	0	0	0	0	0	0	0	***	0	0	0	0	0	0	11	20	9	14	16	20	19	23	25	27	8	
22	34	36	33	40	41	39	28	19	28	34	38	38	41	41	30	21	7	0	8	19	8	0	6	13	25	
23	23	22	29	23	26	22	7	8	23	27	31	37	37	38	34	32	26	20	4	0	2	12	20	26	22	
24	25	26	28	30	27	28	28	28	30	34	34	35	37	37	38	38	36	32	21	15	16	13	9	11	27	
25	9	14	10	12	10	2	7	14	17	27	25	28	28	29	31	25	21	24	22	26	27	27	27	25	20	
26	26	24	25	28	31	31	28	25	25	25	23	22	20	20	18	17	14	12	13	12	17	20	16	16	21	
27	16	24	23	22	11	16	9	4	6	13	21	25	27	30	35	30	29	19	8	0	0	0	15	24	17	
28	26	27	29	34	29	21	17	***	14	23	21	23	20	18	17	13	12	9	15	12	12	14	4	2	18	
29	8	14	15	23	26	20	17	16	17	24	28	28	28	28	27	27	25	20	17	3	1	4	6	7	18	
30	9	7	6	9	9	6	6	13	13	20	27	33	40	40	41	41	41	29	22	12	20	26	5	7	20	
31	10	6	0	0	8	2	***	***	2	6	20	32	21	37	18	16	12	11	13	10	19	14	15	16	13	
MEAN	16	17	19	21	19	16	12	13	16	22	27	33	34	35	35	33	29	23	19	18	18	16	15	13	21.6	



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	7	1	0	0	0	3	13	38	38	41	40	35	35	27	22	25	23	22	24	24	24	25	27	21
2	29	29	32	32	32	32	32	33	33	35	36	37	40	40	40	42	39	38	21	14	8	0	0	0	28
3	0	0	20	34	34	34	26	20	19	23	23	17	12	12	9	7	4	3	8	8	6	1	0	14	2
4	0	0	0	1	1	0	0	0	0	2	5	8	11	7	3	1	0	0	0	0	2	4	11	2	1
5	18	21	21	27	27	27	18	14	22	26	26	27	27	27	27	24	21	9	0	0	0	0	0	18	9
6	0	0	2	1	0	0	1	5	14	18	17	18	16	15	16	10	9	8	8	13	13	10	12	9	1
7	8	2	1	1	4	13	7	9	16	20	23	22	26	29	25	25	21	22	17	13	20	22	22	14	16
8	8	14	14	16	22	22	20	20	21	22	22	24	26	27	27	27	28	27	25	23	16	17	17	7	21
9	9	7	16	25	18	15	22	32	34	34	38	40	41	41	43	43	43	35	14	3	0	0	0	0	23
10	0	1	2	12	12	13	13	11	14	17	12	18	21	22	24	23	20	15	13	15	18	17	10	14	2
11	14	12	16	26	20	3	1	0	0	0	0	0	6	11	14	23	25	26	30	24	24	18	25	25	14
12	23	26	27	27	27	22	20	24	26	26	31	31	35	32	32	32	17	30	50	50	48	42	37	37	31
13	38	34	30	30	27	26	23	23	25	25	24	23	24	22	19	16	19	17	13	11	16	14	15	15	22
14	19	18	19	22	29	23	21	***	25	29	29	31	28	28	28	27	24	19	15	10	16	16	12	12	22
15	9	7	2	9	24	24	22	25	25	25	25	25	23	23	23	24	24	24	15	10	1	0	3	3	16
16	2	0	0	2	9	2	6	17	26	30	32	34	26	22	21	26	28	27	20	11	11	14	16	15	17
17	13	23	29	25	16	0	2	13	14	22	36	40	42	37	35	34	32	28	14	2	14	1	0	0	20
18	0	0	2	0	0	0	0	6	17	21	29	34	32	34	38	35	28	28	31	31	31	29	26	20	2
19	24	27	35	38	38	36	28	19	12	17	18	20	27	25	28	22	18	19	24	23	23	24	26	25	25
20	22	20	22	28	28	22	19	10	11	16	17	20	24	25	25	25	19	13	13	12	18	19	21	21	20
21	23	28	31	31	31	29	25	21	22	25	28	30	32	32	31	32	32	31	27	19	17	16	19	15	26
22	16	21	20	24	23	19	17	27	35	37	39	41	44	46	45	44	41	32	15	4	7	9	7	27	1
23	0	8	9	7	11	13	14	23	25	31	30	36	42	43	38	36	31	32	27	9	0	0	0	19	2
24	0	2	3	3	5	5	4	11	19	32	37	45	48	49	47	42	38	24	14	11	13	9	6	20	3
25	6	9	10	8	9	5	10	20	38	44	40	42	44	47	41	36	31	23	4	0	0	0	0	20	4
26	0	0	0	2	0	2	7	9	17	34	29	39	41	42	45	46	40	34	9	5	6	4	5	18	5
27	0	5	13	19	21	18	10	11	13	22	39	42	46	46	46	46	42	34	21	16	14	15	24	24	15
28	25	25	25	26	25	24	13	18	***	40	41	43	46	46	43	41	40	39	21	1	0	0	0	0	25
29	0	0	0	4	12	13	21	21	25	34	36	40	39	39	38	34	34	31	28	25	22	21	16	24	3
30	9	13	15	21	13	19	28	32	32	34	36	37	36	36	37	38	36	34	29	26	12	0	4	14	25
MEAN	11	12	14	17	17	16	14	16	20	25	28	30	31	31	31	30	28	26	20	14	13	12	12	12	20.0

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - MAY 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	23	23	19	22	22	17	21	24	24	25	27	27	27	27	26	27	29	29	30	20	5	14	4	22
2	8	7	4	7	7	6	11	26	28	31	31	33	35	35	35	33	32	34	30	21	7	0	4	16	20
3	19	11	10	14	4	0	2	8	12	28	40	41	38	44	40	36	34	38	36	23	8	4	0	3	21
4	6	0	4	0	0	0	0	17	28	24	29	35	31	25	32	30	31	27	18	21	16	13	26	18	
5	31	32	35	27	27	18	14	8	21	19	21	18	***	23	24	10	6	9	8	6	11	8	4	6	17
6	8	12	18	15	14	18	12	9	8	9	10	2	3	3	3	2	1	2	1	6	4	7	11	8	
7	13	10	12	14	21	11	25	30	34	40	47	53	40	44	49	51	46	32	24	11	31	29	23	30	
8	39	35	30	35	29	25	7	7	10	16	20	23	9	13	***	4	4	2	12	18	10	16	8	13	
9	16	10	0	0	0	0	0	18	11	38	43	43	43	41	36	30	36	38	36	37	30	32	27	25	
10	29	28	27	26	24	18	17	23	30	22	21	21	24	26	28	29	32	31	29	15	9	3	4	7	22
11	2	0	0	0	0	0	0	7	21	20	18	33	33	24	30	17	11	9	7	0	0	0	0	10	
12	0	0	11	16	34	15	0	2	2	3	5	5	7	13	4	7	17	36	22	31	23	8	24	20	
13	11	24	30	29	31	26	31	29	25	36	37	27	18	10	16	27	19	7	5	12	21	21	34	40	
14	43	38	40	43	45	42	39	33	35	27	24	28	32	36	33	37	36	39	42	47	50	52	51	50	
15	53	54	52	47	45	34	23	24	28	27	27	30	34	34	***	27	25	22	14	11	18	29	27	30	
16	30	30	30	28	28	20	13	13	19	28	25	19	28	31	25	32	25	20	26	9	0	11	26	31	
17	34	32	31	29	24	5	0	2	8	7	23	32	35	36	35	34	30	14	16	11	10	0	0	19	
18	0	0	0	0	0	0	0	4	11	***	27	23	25	30	33	16	34	28	16	0	0	0	0	11	
19	0	0	0	0	0	0	4	11	40	50	43	57	74	***	44	35	36	34	16	0	0	0	7	3	
20	9	13	19	15	10	3	6	31	51	69	78	81	73	69	68	71	46	34	29	29	37	34	22	12	
21	15	32	15	18	18	20	26	29	31	32	33	36	37	37	39	36	34	33	24	17	15	1	0	0	
22	11	11	10	4	4	6	18	28	34	37	41	45	49	49	52	50	52	43	28	7	0	0	0	24	
23	0	0	0	2	4	0	0	4	22	35	44	27	28	39	37	35	35	19	4	2	37	31	6	0	
24	3	10	0	0	0	0	0	0	10	40	62	56	52	64	62	52	61	48	34	8	3	9	7	25	
25	23	7	4	14	4	2	8	37	59	64	69	71	75	72	72	70	72	68	53	28	19	0	0	37	
26	5	5	5	2	0	0	5	27	43	69	70	78	86	110	114	94	85	70	78	43	3	1	1	41	
27	0	0	0	0	0	0	4	12	30	73	79	96	88	111	115	98	81	57	37	19	0	0	0	37	
28	0	0	0	0	0	0	16	45	57	77	77	92	84	72	82	70	77	48	35	19	12	15	3	0	
29	0	0	0	0	0	0	***	14	28	43	76	108	103	99	68	63	59	61	41	13	11	6	17	6	
30	0	0	0	0	0	0	8	10	18	41	58	47	88	96	73	77	60	66	43	28	45	49	43	3	
31	7	0	15	10	14	11	14	24	37	51	59	57	48	41	34	29	27	28	28	29	18	20	15	12	
MEAN	14	14	14	13	13	10	11	18	26	36	40	43	45	43	45	40	39	35	28	19	16	14	13	12	24

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT										UNITS - PARTS/BILLION															
		STATION - C NO 35003										ELMCREST ROAD, ETOBICOKE															
												MONTH - JUN 78															
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	12	14	15	10	8	4	10	13	15	17	21	26	26	29	36	37	21	20	12	8	8	2	2	4	15		
2	4	14	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	18	20	17	11	18	13	14	27	35	36	44	47	47	48	46	44	41	38	36	31	12	13	2	0	27		
4	0	0	0	0	0	3	9	11	19	33	35	35	34	39	45	45	41	42	37	25	30	13	14	3	2	21	
5	11	24	22	31	24	21	23	24	27	26	25	27	27	22	22	25	27	26	27	15	2	0	0	0	20		
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9	8	15	20	25	24	9	9	20	29	31	38	38	39	37	35	36	33	30	24	23	15	6	0	0	23		
10	0	0	0	0	0	0	0	2	6	15	22	27	30	39	42	49	45	36	38	28	9	0	0	0	16		
11	0	2	6	32	34	30	29	46	52	64	79	76	73	76	74	82	84	87	95	91	78	61	35	50	56		
12	57	39	46	42	39	33	27	38	53	62	70	74	70	69	76	83	38	38	39	28	28	13	9	9	44		
13	11	12	12	12	11	8	8	10	14	15	15	18	21	24	26	27	28	28	28	14	7	9	5	9	16		
14	9	9	10	8	6	4	8	21	27	30	30	27	27	27	26	25	26	28	26	23	10	0	0	0	23		
15	2	1	4	0	0	0	3	11	28	35	41	46	54	56	54	51	55	53	42	20	0	0	0	3	16		
16	0	0	0	0	2	8	0	2	5	14	21	26	37	58	56	65	26	23	16	5	3	0	0	0	29		
17	3	1	1	7	15	8	15	23	27	25	23	26	28	28	46	66	56	61	73	64	49	54	0	0	27		
18	3	4	8	29	35	26	22	29	33	44	47	51	51	46	41	38	40	37	29	22	18	3	0	0	17		
19	0	3	2	3	0	0	0	3	14	20	24	38	46	46	46	40	41	37	31	26	15	0	0	0	33		
20	0	0	0	0	0	0	0	5	21	43	50	58	64	79	63	65	77	65	61	55	54	21	0	0	17		
21	0	0	0	0	0	0	0	4	4	5	24	48	47	64	60	55	47	39	28	23	11	0	0	0	19		
22	0	2	5	7	6	0	0	8	17	24	28	30	34	34	33	34	37	38	38	18	7	5	27	2	19		
23	3	0	14	8	6	3	13	15	21	22	22	18	21	16	16	16	12	9	7	6	2	0	0	0	10		
24	2	0	0	0	2	0	5	6	13	23	27	29	29	36	39	51	41	27	27	14	3	0	0	0	16		
25	0	0	0	0	0	0	4	20	32	35	34	40	47	51	57	52	52	48	45	41	32	8	0	6	25		
26	29	39	28	26	16	7	12	1	12	24	35	37	37	64	51	47	52	49	51	44	39	31	24	14	32		
27	19	16	18	20	19	15	15	25	38	52	59	73	78	58	45	47	49	48	42	36	30	18	28	23	36		
28	26	23	15	8	12	3	10	16	24	27	29	30	30	30	27	29	27	22	20	10	0	0	0	0	17		
29	0	2	10	19	6	2	12	19	32	36	39	39	39	38	39	37	36	35	31	26	30	17	5	2	22		
30	9	11	27	23	17	6	6	12	19	28	30	37	36	36	35	34	33	32	25	15	14	9	10	11	21		
MEAN	8	9	10	12	11	7	10	17	25	31	36	40	43	44	44	42	39	36	33	25	17	11	6	6	23.2		

PERCENTAGE OF DATA VALID - 91.1 PERCENTAGE OF DATA INVALID - 8.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT											UNITS - PARTS/BILLION													
		STATION - C NO 35003					ELMCREST ROAD, ETOBICOKE						MONTH - JUL 78													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		8	10	4	4	0	2	3	8	16	21	22	24	30	33	27	35	36	28	27	16	3	0	0	0	15
2		0	0			0	0	11	26	25	24	32	37	35	37	34	28	28	33	30	22	20	12	2	4	18
3		17	31	32	32	27	20	23	33	43	48	52	52	43	37	29	29	26	22	16	25	28	25	31	41	32
4		45	39	38	37	41	29	20	20	33	37	43	46	52	48	34	43	32	28	27	28	1	0	0	0	30
5		0	0	0	0	0	0	0	7	29	50	61	28	29	29	29	69	83	73	66	54	41	20	1	16	29
6		19	15	22	11	8	11	18	35	50	67	76	78	83	89	88	86	79	79	87	84	80	85	99	86	60
7		86	73	71	85	78	69	52	55	63	79	83	96	91	88	82	88	94	100	102	95	66	59	66	55	78
8		43	55	52	54	49	45	43	42	49	59	59	60	61	58	52	47	41	38	36	30	25	23	20	16	44
9		10	8	10	10	14	13	16	19	25	32	41	43	51	54	55	59	51	39	38	41	39	38	39	38	33
10		41	44	49	38	41	21	22	23	27	31	34	34	33	36	36	35	28	29	26	20	14	6	4	5	28
11		9	7	9	8	6	7	8	19	22	26	30	33	35	35	35	35	37	37	33	23	4	3	2	3	18
12		4	3	3	7	5	7	12	23	37	37	45	46	46	49	52	50	48	43	41	32	15	1	2	4	26
13		14	19	20	10	7	2	5	17	30	36	40	43	57	68	76	78	79	81	83	74	62	42	34	17	41
14		8	22	34	22	4	3	7	16	31	39	57	60	61	73	73	59	57	46	48	35	8	5	4	4	31
15		3	3	6	3	3	3	3	18	35	44	51	70	87	86	83	93	83	66	62	49	35	32	26	15	40
16		19	26	29	22	19	18	20	22	25	32	34	36	37	36	38	36	31	29	21	15	15	11	15	26	23
17		17	15	15	12	13	12	12	19	24	31	36	36	40	42	43	37	36	42	44	25	9	3	1	1	23
18		1	9	4	4	4	3	1	7	26	31	43	76	91	91	91	82	80	78	67	43	31	29	39	48	35
19		30	5	29	34	11	4	2	9	30	30	30	30	30	30	30	109	100	94	95	94	83	71	64	34	46
20		3	5	8	11	10	49	16	32	63	76	108	119	117	96	92	90	94	98	101	96	69	49	40	15	61
21		20	5	4	1	3	3	11	8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
22		66	55	61	72	73	68	66	72	74	74	77	85	92	93	92	92	89	89	91	93	102	97	99	98	82
23		96	96	95	90	89	86	83	81	81	80	80	76	70	67	62	64	62	63	68	69	71	72	74	75	77
24		80	76	79	82	84	64	25	38	44	58	74	74	64	58	58	58	58	58	58	58	58	58	58	58	58
25		75	70	32	31	43	44	32	7	21	51	68	59	60	70	80	75	80	78	84	87	91	89	84	85	62
26		89	82	84	99	94	88	87	79	81	83	87	87	88	92	91	89	91	92	95	97	97	97	97	97	89
27		89	87	91	95	95	95	94	92	72	71	77	81	90	88	58	56	56	40	28	20	15	13	17	63	
28		18	11	8	9	10	6	7	8	10	15	18	24	29	33	36	36	36	36	37	32	20	10	4	6	19
29		3	3	3	3	4	5	19	20	20	28	42	46	43	44	47	48	49	45	47	35	33	31	24	22	28
30		22	23	20	21	21	18	14	16	17	22	26	25	25	26	28	29	29	29	27	10	4	2	1	0	19
31		0	1	1	3	3	3	5	12	18	24	25	25	29	39	39	34	10	7	13	22	10	2	1	1	13
MEAN		30	29	30	29	28	26	24	28	35	44	52	56	57	60	58	58	57	54	53	47	39	33	32	30	40.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	2	2	2	3	5	13	34	37	40	62	64	56	48	46	51	48	9	4	3	2	1	22
2	4	4	4	1	1	1	0	7	23	48	61	70	81	72	68	58	58	70	76	66	44	57	72	59	42
3	59	55	49	39	31	26	23	16	25	29	28	31	42	44	47	49	51	55	40	21	20	21	20	19	35
4	25	27	29	24	14	6	5	11	23	27	32	33	28	30	31	38	38	32	6	1	1	1	0	21	
5	0	0	1	1	1	1	1	5	12	22	35	42	53	54	49	55	56	45	55	58	45	24	8	2	26
6	2	1	2	2	3	2	2	22	30	53	69	74	80	78	84	85	90	92	83	70	29	6	1	0	40
7	2	7	19	5	7	5	2	11	25	45	59	73	70	71	67	65	61	61	66	37	26	12	3	2	33
8	0	1	13	18	17	12	7	28	38	41	49	59	59	68	80	83	89	100	82	75	71	68	65	65	50
9	61	63	64	58	55	49	42	36	35	34	39	45	48	32	29	37	30	27	22	11	3	2	2	2	34
10	4	9	10	10	11	4	6	10	13	19	25	24	27	30	24	23	25	26	14	4	3	1	0	0	13
11	1	2	2	2	1	0	0	1	6	19	23	20	26	40	40	36	28	15	10	5	0	0	0	0	12
12	0	0	0	0	0	0	3	9	21	39	52	64	54	40	76	43	69	79	66	37	16	20	28	6	31
13	0	1	3	1	0	0	2	26	51	78	73	75	93	109	112	89	84	59	27	22	9	0	0	0	38
14	0	1	5	3	1	0	0	7	29	61	65	83	82	102	117	123	112	93	72	51	25	4	0	0	43
15	1	1	14	10	0	0	1	6	24	40	49	57	***	87	92	94	57	30	15	2	9	27	22	27	29
16	35	37	29	23	21	10	16	20	29	31	30	45	55	60	58	60	61	62	59	46	45	40	37	36	39
17	43	36	30	27	25	17	11	14	16	17	17	20	28	29	29	26	24	21	19	5	0	0	0	0	19
18	0	0	1	1	1	1	0	0	8	17	10	31	53	52	50	35	49	35	14	9	4	4	2	1	16
19	0	0	1	5	7	8	10	12	34	31	40	53	67	69	73	78	58	30	34	24	25	24	22	20	30
20	18	17	14	13	8	3	9	16	18	21	25	27	30	30	31	32	31	28	14	5	6	5	2	1	17
21	6	4	7	3	2	1	2	3	7	19	28	30	39	***	37	36	29	23	20	5	1	1	0	0	13
22	0	0	0	1	1	0	0	0	8	22	51	56	73	81	90	85	80	92	76	48	11	1	0	0	32
23	1	3	12	5	1	1	0	0	6	39	64	82	80	124	135	103	88	88	66	43	22	6	51	65	45
24	58	75	87	82	79	81	35	16	26	51	68	39	19	38	14	28	16	10	4	6	7	4	6	6	36
25	10	11	13	11	12	4	2	4	5	7	15	21	30	35	36	37	31	26	18	4	1	9	10	1	15
26	2	14	22	19	15	5	3	14	21	32	37	40	48	52	61	77	78	72	64	36	3	1	2	2	30
27	4	4	5	2	2	8	11	2	25	29	31	32	32	32	31	25	24	24	23	25	26	21	22	23	19
28	23	19	14	16	14	7	1	2	4	20	44	41	45	49	52	59	56	54	51	52	27	23	20	24	30
29	30	29	27	24	21	18	5	5	11	30	***	35	37	36	36	31	30	26	9	2	1	0	1	0	19
30	0	0	1	1	2	1	0	1	2	14	26	36	43	45	46	46	44	19	7	4	5	5	6	6	15
31	4	4	4	5	7	4	1	1	2	13	23	27	36	39	39	38	34	27	15	6	1	0	0	0	14
MEAN	13	14	16	13	12	9	6	10	19	32	40	45	51	57	58	56	52	48	39	26	16	13	13	12	27.7

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	8	7	3	2	1	2	7	28	34	40	50	55	****	58	62	69	63	57	43	22	20	7	28
2	1	1	2	3	3	4	5	13	30	44	51	59	65	76	84	78	74	80	71	60	57	57	71	67	44
3	63	41	53	40	31	27	23	41	43	49	57	60	62	63	57	51	39	29	21	19	18	14	14	10	39
4	11	11	13	8	10	11	8	11	14	21	27	32	39	42	44	45	43	34	10	10	12	16	1	1	20
5	1	3	4	3	3	1	0	2	10	10	16	26	35	37	38	46	54	48	32	17	7	7	7	13	18
6	22	24	17	32	38	1	3	11	25	60	69	69	61	58	58	53	58	48	33	46	66	54	54	50	42
7	49	45	36	26	14	18	11	11	10	11	14	17	23	***	25	17	15	12	11	11	12	15	16	17	19
8	18	20	9	3	7	12	11	11	14	15	10	12	15	16	17	11	11	5	2	1	1	2	7	8	10
9	5	1	2	5	8	10	8	12	20	25	26	28	28	29	31	34	29	27	22	5	2	5	20	22	17
10	20	27	27	28	29	26	21	20	16	16	11	13	20	27	25	22	17	13	12	2	1	1	1	1	17
11	0	0	0	0	0	0	0	0	0	11	***	***	***	64	81	72	75	70	34	12	10	31	28	29	26
12	22	14	17	28	25	11	4	4	8	10	12	15	22	25	28	23	19	11	4	3	5	9	10	13	14
13	18	19	21	21	19	13	5	7	13	21	24	25	26	27	28	20	22	24	24	25	26	27	29	31	21
14	31	32	31	26	23	14	3	5	8	13	16	18	***	24	32	***	16	32	25	14	26	22	13	12	20
15	8	12	22	28	19	9	6	8	25	27	29	34	36	35	32	35	36	35	26	38	34	42	44	36	27
16	37	34	29	22	14	16	3	13	21	24	26	29	37	33	31	35	30	23	17	7	6	5	3	2	21
17	2	2	4	4	4	4	4	5	5	7	9	12	11	13	16	18	15	11	10	6	6	5	5	8	8
18	8	11	12	13	12	12	4	4	4	8	15	***	10	12	13	5	10	13	7	6	8	6	6	8	9
19	17	18	20	18	15	7	4	3	5	7	11	17	20	21	22	16	9	4	2	2	5	11	4	5	11
20	3	1	1	2	2	2	1	1	2	4	8	12	14	16	15	23	24	2	0	0	0	0	0	0	6
21	0	0	0	0	0	0	0	0	0	3	***	***	12	10	7	8	9	6	4	8	5	4	5	6	4
22	7	7	7	5	3	0	0	0	2	6	12	15	18	***	18	14	16	6	0	0	0	0	0	0	6
23	0	0	0	0	0	0	0	2	3	5	14	22	17	17	34	30	28	14	21	0	0	0	0	0	4
24	0	0	0	0	0	0	0	2	13	24	42	49	55	58	53	51	52	50	36	23	11	14	7	6	9
25	29	22	16	12	9	2	0	3	10	13	14	***	***	16	18	17	13	9	3	0	0	0	0	0	23
26	0	0	0	0	0	0	0	0	0	8	13	18	18	23	27	26	22	16	20	12	5	9	4	6	9
27	11	16	19	17	10	7	2	2	8	21	36	46	54	58	61	57	53	35	4	3	11	9	10	11	23
28	13	18	13	10	9	5	0	5	12	15	17	19	23	21	20	15	14	7	0	0	0	0	0	0	10
29	0	0	0	0	0	0	0	0	0	5	9	6	11	***	21	23	21	6	2	6	9	6	2	0	6
30	0	0	0	0	0	0	0	0	3	13	18	25	34	40	45	45	41	32	28	32	17	32	40	30	20
MEAN	13	13	13	12	10	7	4	7	11	18	23	27	30	35	34	33	31	26	18	14	13	14	14	13	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION											
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE															MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	21	29	27	19	17	14	4	11	16	20	21	21	23	20	21	22	14	6	7	3	7	5	3	0	15	
2	0	5	3	0	0	0	0	0	2	11	18	20	21	***	26	16	9	3	2	0	0	0	0	0	6	
3	0	0	0	0	0	6	6	9	12	18	17	15	16	13	4	4	6	7	6	6	5	2	3	7		
4	15	26	25	28	18	12	10	5	9	13	13	17	18	15	18	18	14	7	0	0	0	3	3	1	12	
5	0	0	0	0	0	0	0	0	3	9	4	***	12	11	7	6	5	3	3	6	11	28	16	9	6	
6	7	15	22	13	9	3	6	2	3	6	5	7	14	16	15	13	20	14	9	7	8	8	9	10		
7	13	11	13	13	12	10	9	14	18	18	20	21	23	24	22	19	18	12	6	4	1	2	12	9	14	
8	16	13	9	14	13	8	14	12	17	21	20	21	23	22	21	21	18	13	6	0	0	0	0	0	13	
9	0	0	0	0	0	0	0	0	8	19	25	28	30	31	30	32	34	30	35	29	23	23	22	28	18	
10	23	24	23	23	17	11	2	2	7	17	24	***	***	50	52	52	48	24	18	18	23	28	20	8	23	
11	4	0	0	0	0	0	0	0	0	5	10	6	13	17	23	21	18	0	0	6	3	1	6	23	7	
12	23	26	24	21	22	23	12	10	19	28	23	27	34	35	37	32	19	9	21	29	21	7	5	3	21	
13	6	18	7	2	0	0	0	0	1	4	8	14	***	***	17	16	16	7	7	2	0	3	5	4	6	7
14	12	12	9	13	9	6	4	6	5	5	7	8	14	16	18	22	19	9	2	3	3	0	0	0	8	
15	0	0	0	1	0	0	0	7	14	16	18	21	19	16	19	21	17	8	0	0	0	0	0	0	7	
16	0	11	16	14	7	0	0	0	5	11	16	16	***	17	17	12	5	0	0	0	0	0	0	0	6	
17	0	0	0	0	0	0	0	0	0	4	15	19	20	22	20	12	4	0	0	1	0	0	0	2	5	
18	0	0	0	0	0	0	0	0	5	8	7	13	16	16	10	3	2	0	0	0	0	0	0	0	3	
19	0	0	10	10	6	0	0	0	0	4	10	13	***	13	3	2	0	0	0	0	0	10	10	7	4	
20	7	7	9	0	0	0	0	0	0	11	18	20	18	17	20	26	18	3	5	0	5	16	12	11	9	
21	7	3	3	6	5	0	0	3	4	16	27	34	43	51	50	45	49	51	55	48	47	34	14	25	26	
22	31	23	24	30	30	30	29	26	27	28	31	37	46	54	54	48	51	52	34	44	43	41	2	6	34	
23	18	21	18	16	14	9	3	3	3	9	12	16	17	17	18	16	16	14	17	5	2	0	0	0	11	
24	0	0	0	0	0	0	0	0	0	6	22	21	24	24	26	16	8	2	3	5	0	0	0	0	7	
25	2	1	6	10	6	0	0	0	3	7	10	9	12	14	15	16	13	23	21	23	21	18	16	11	8	
26	20	18	18	18	17	14	2	2	3	5	4	9	14	11	12	8	3	2	0	0	0	0	2	3	8	
27	6	7	9	5	4	7	0	2	7	11	17	16	17	13	7	20	22	11	2	5	17	13	9	7	10	
28	5	2	0	0	3	4	0	0	3	11	18	21	22	22	17	18	14	6	4	1	2	3	0	0	7	
29	0	0	1	2	2	4	0	0	2	5	5	6	11	11	8	9	5	0	0	0	0	0	0	0	3	
30	0	0	0	8	7	7	0	1	6	6	6	7	10	***	10	6	3	1	1	1	1	1	1	8	4	
31	14	19	20	12	9	5	0	0	2	8	14	21	27	29	28	21	9	4	5	5	5	4	0	0	11	
MEAN	8	9	10	9	7	6	3	4	7	12	15	17	21	22	21	19	16	10	8	8	8	8	5	6	10.7	

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION																					
STATION - C NO 35003															ELMCREST ROAD, ETOBICOKE											MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN											
1	0	0	2	4	2	2	0	0	0	0	4	13	12	19	20	14	7	0	0	0	0	0	0	0	4											
2	1	1	0	0	5	7	5	0	3	7	13	20	***	28	29	24	8	0	0	0	0	0	0	0	7											
3	0	0	0	0	0	0	0	0	0	0	5	16	19	10	7	5	2	2	2	2	2	2	2	2	3											
4	0	0	0	0	0	0	0	0	2	2	6	10	12	13	11	9	5	0	0	0	0	0	0	5	3											
5	0	0	0	0	0	0	0	0	0	2	5	16	20	25	34	33	60	56	57	44	44	53	46	48	23											
6	47	43	42	38	34	25	19	4	0	1	4	4	***	5	5	3	4	2	7	9	9	4	1	0	13											
7	10	4	11	6	4	5	3	3	3	9	14	18	22	20	21	17	7	0	0	0	0	0	0	0	7											
8	0	0	0	0	0	0	0	0	0	4	6	12	15	13	12	19	17	5	2	3	3	6	7	8	6											
9	4	12	17	20	19	17	9	4	7	10	13	17	21	22	24	***	16	0	0	0	0	0	0	0	10											
10	0	0	0	0	0	0	0	0	0	0	2	3	4	4	3	1	1	1	1	1	1	1	1	1	1											
11	0	0	0	0	0	0	0	0	3	7	14	22	25	27	31	24	8	5	4	5	5	7	7	6	8											
12	9	12	14	18	19	21	18	16	19	17	14	13	11	9	7	5	4	6	3	2	0	0	0	0	10											
13	7	12	14	13	10	7	5	0	0	0	0	1	3	2	1	1	1	1	1	1	1	1	1	1	4											
14	11	12	10	11	16	18	16	10	8	10	7	15	16	14	12	11	5	4	6	7	11	12	10	11	11											
15	16	14	17	18	14	15	12	0	2	6	12	16	18	***	***	17	5	0	0	0	0	0	0	0	8											
16	0	0	0	0	2	4	0	0	0	4	10	17	19	21	23	16	4	0	0	0	0	4	9	11	6											
17	15	19	17	15	16	12	5	0	0	0	2	2	3	3	3	1	1	1	3	3	4	8	5	6	6											
18	4	4	6	7	10	13	21	22	21	20	19	21	21	20	21	18	15	12	4	11	15	12	14	11	14											
19	8	11	14	14	12	10	8	15	22	21	21	23	23	22	19	16	10	5	3	5	3	7	9	14	13											
20	20	21	21	21	20	19	12	8	7	13	13	11	14	14	***	13	4	2	2	5	10	12	11	13	12											
21	12	14	15	9	8	8	6	2	2	2	6	8	11	11	9	4	1	1	1	1	1	1	1	1	6											
22	0	0	14	13	15	12	7	6	5	13	15	15	12	9	8	2	2	2	2	4	3	3	3	3	8											
23	2	2	4	5	3	1	1	1	1	1	1	1	0	0	***	0	0	0	0	0	0	0	0	0	1											
24	0	2	2	2	3	2	0	0	0	0	5	5	6	6	5	4	0	0	0	5	8	14	16	14	4											
25	14	17	18	19	18	17	16	6	13	17	19	20	23	21	19	16	15	14	13	10	5	7	11	6	15											
26	10	11	13	11	15	12	11	9	13	18	22	19	18	21	18	19	11	0	2	1	2	0	3	2	11											
27	7	11	14	16	14	11	3	2	3	4	5	5	6	6	12	6	0	0	0	0	2	4	7	9	6											
28	11	12	13	11	6	3	1	1	1	4	9	12	15	***	8	6	1	4	8	10	12	10	10	10	4											
29	12	10	3	3	0	0	1	0	2	5	8	10	13	11	6	3	0	0	0	0	0	3	3	5	4											
30	6	7	9	11	12	12	12	7	11	14	20	24	22	21	21	18	11	5	5	5	4	12	6	8	12											
MEAN	8	8	10	10	9	8	6	4	5	7	10	13	15	14	14	11	8	4	4	4	5	6	6	7	8.1											

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	10	6	7	4	10	8	3	4	8	6	6	9	4	2	1	3	4	4	0	0	0	0	1	5
2	12	15	10	7	11	18	14	9	11	14	20	25	26	23	19	17	10	3	1	1	1	1	1	1	11
3	0	1	2	5	10	8	10	7	6	7	19	13	9	4	2	2	0	0	0	0	0	0	0	0	4
4	0	0	7	11	10	6	6	1	3	6	12	15	16	14	11	13	11	13	13	13	17	15	15	14	10
5	16	18	16	13	12	12	10	9	10	11	11	14	14	13	14	11	6	4	3	5	8	9	10	6	11
6	8	5	3	3	2	1	1	1	1	4	7	***	***	11	10	8	4	2	3	3	5	4	2	2	4
7	5	2	0	4	12	4	2	0	0	0	0	2	5	4	3	2	3	2	0	0	0	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0	0	2	9	8	***	4	5	4	4	2	2	4	7	3	2
9	6	9	13	13	14	18	17	8	4	15	20	20	21	20	20	18	16	14	16	14	17	19	17	17	15
10	16	16	16	18	17	19	19	19	19	21	22	23	23	22	21	20	15	16	13	15	16	17	14	11	18
11	13	11	10	9	8	6	4	2	1	3	7	12	15	***	13	8	0	0	0	0	0	0	0	1	5
12	2	2	2	1	3	7	5	4	3	8	14	16	17	12	10	10	12	4	2	8	3	4	0	0	6
13	2	3	5	6	16	16	14	12	12	13	10	10	13	12	18	15	11	11	13	12	15	18	20	18	12
14	17	16	19	21	23	22	17	4	3	8	19	23	23	***	17	15	15	11	15	16	15	15	14	14	16
15	14	12	11	13	13	12	11	7	6	9	13	14	17	17	15	13	8	5	0	0	0	0	3	4	9
16	6	5	0	4	3	4	0	0	0	7	8	9	7	4	3	2	0	0	0	0	0	0	0	4	3
17	3	2	2	11	23	24	26	25	22	21	24	24	24	23	23	21	18	14	20	17	14	8	13	13	17
18	10	12	4	9	10	7	0	0	0	4	10	12	9	12	16	11	6	7	3	9	5	3	1	4	7
19	5	0	0	0	0	3	1	1	1	8	16	18	22	19	17	12	6	0	0	1	5	3	2	0	6
20	0	0	0	0	0	2	2	0	0	0	2	8	7	5	4	3	0	0	0	0	0	0	0	0	1
21	0	0	0	0	3	5	10	14	15	18	18	19	20	20	18	20	11	0	2	5	9	13	12	11	10
22	5	10	11	12	8	13	11	5	2	3	***	4	9	8	7	8	12	10	9	7	4	17	19	20	9
23	22	22	21	20	21	20	18	16	14	14	16	20	21	21	21	21	11	0	2	0	0	0	0	0	13
24	0	0	0	0	2	8	13	15	14	12	9	11	9	5	3	0	0	0	2	2	1	1	2	5	5
25	3	2	1	6	5	4	7	3	5	12	10	13	20	18	19	20	19	20	20	20	19	19	19	13	13
26	21	22	23	24	23	21	23	21	20	18	19	18	20	20	20	18	16	8	11	13	12	11	13	12	18
27	9	11	19	21	19	13	16	8	13	18	21	20	18	20	19	15	9	6	9	7	11	13	11	10	14
28	12	16	13	10	10	0	0	0	0	0	3	***	14	17	11	6	0	0	0	0	0	0	0	0	5
29	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	3	2	1	1	1	3	11	9	11	2
30	0	0	20	19	12	8	2	3	3	4	9	5	8	8	6	0	0	0	0	0	0	0	0	0	4
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	7	7	8	9	9	9	8	6	6	9	12	13	14	13	12	10	7	5	5	6	6	7	7	6	8.4

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	11.1	20	29
FEB	28	15.5	26	59
MAR	31	21.6	40	92
APR	30	20.0	31	50
MAY	31	24.9	43	115
JUN	27	23.2	56	95
JUL	30	40.7	89	119
AUG	31	27.7	50	135
SEP	30	17.8	44	84
OCT	31	10.7	34	55
NOV	30	8.1	23	60
DEC	31	8.4	18	26
YEAR	361	19.1	89	135

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	338	289	111	0	0	0	0	0	738
FEB	258	180	155	65	8	0	0	0	666
MAR	199	162	191	151	28	5	0	0	736
APR	188	161	205	164	0	0	0	0	718
MAY	236	115	143	160	63	15	6	0	738
JUN	221	102	126	140	62	5	0	0	656
JUL	143	81	91	162	133	101	7	0	718
AUG	274	79	116	118	116	29	9	0	741
SEP	300	169	103	79	52	3	0	0	706
OCT	426	179	94	27	9	0	0	0	735
NOV	466	190	40	12	4	0	0	0	712
DEC	447	244	46	0	0	0	0	0	737
YEAR	3496	1951	1421	1078	475	158	22	0	8601

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH  
MEAN

98.2

0

0.0

5.1

13.8

23.2

43.3

60.4

80.7

90.1

135

19.1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 35033 EVANS/ARNOLD AVE, ETOBICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	4	4	6	6	8	9	10	9	9	7	4	4	4	5	5	7	10	13	14	12	13	7
2	13	14	16	12	6	10	7	5	4	7	10	12	17	17	16	17	8	5	6	7	8	8	9	8	10
3	8	8	7	9	8	8	6	3	4	6	10	8	7	7	8	4	1	0	0	0	0	1	2	5	
4	11	12	7	4	4	2	1	1	1	4	6	4	6	7	5	4	3	0	0	0	0	0	0	0	3
5	0	0	1	1	1	0	0	0	1	2	4	4	4	4	2	2	1	0	0	0	0	0	0	0	1
6	0	3	5	7	7	5	0	0	0	0	1	1	4	7	7	7	6	11	13	7	6	6	7	7	5
7	6	6	6	7	6	6	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	4
8	0	0	1	2	3	4	4	5	3	2	3	6	4	4	4	2	0	0	0	0	0	0	2	4	2
9	8	9	11	12	13	13	8	5	5	6	8	7	8	8	7	6	4	2	2	4	7	9	9	8	7
10	12	13	16	16	16	13	7	2	3	4	8	****	11	13	13	8	5	5	5	6	7	8	8	2	9
11	3	3	3	8	12	13	9	7	6	7	9	10	10	10	11	7	5	2	2	1	2	3	2	3	6
12	6	8	9	10	13	6	4	1	0	2	3	3	5	4	12	4	1	0	0	0	0	0	0	0	4
13	0	0	0	0	0	6	8	8	6	1	0	1	1	1	1	0	0	0	0	1	2	5	5	6	2
14	8	9	13	15	15	16	14	8	8	8	9	9	10	10	10	9	8	6	7	7	9	11	11	8	10
15	9	7	7	10	12	11	5	1	4	10	11	14	****	16	16	11	5	3	8	10	4	7	8	5	8
16	7	12	12	10	6	9	3	1	0	3	6	9	14	14	13	12	9	2	2	1	0	0	0	0	6
17	0	0	0	0	0	0	0	0	0	1	1	2	3	3	2	1	1	0	2	3	4	6	8	8	2
18	10	11	12	15	16	14	8	2	2	3	5	7	9	7	8	6	3	0	1	1	0	0	0	0	6
19	0	0	0	0	0	0	0	0	0	0	0	1	3	4	4	2	1	0	0	0	0	0	0	1	1
20	2	7	11	13	15	15	6	2	1	2	3	4	5	5	5	4	4	4	2	3	5	6	7	8	8
21	7	7	10	14	15	16	13	9	7	7	8	8	8	8	7	7	2	0	0	0	0	0	0	0	6
22	0	0	0	1	1	3	1	2	4	8	12	15	18	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
23	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
24	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	5	0
26	6	6	2	2	4	7	6	3	2	3	6	9	9	11	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
27	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
28	6	7	10	14	16	14	7	2	3	5	7	8	9	9	10	13	11	9	8	5	5	4	3	3	2
29	8	4	2	6	8	10	8	4	3	5	9	10	13	11	9	8	5	5	4	3	3	3	2	1	6
30	1	1	4	6	10	10	2	0	1	2	3	5	10	9	8	7	1	1	1	2	1	1	3	5	4
31	11	13	12	6	2	0	0	2	5	6	8	9	11	11	12	10	6	2	1	1	5	5	4	5	6
MEAN	5	6	6	7	8	8	5	3	3	4	6	7	8	8	8	6	3	2	2	3	3	4	4	4	5.1

PERCENTAGE OF DATA VALID - 90.2

PERCENTAGE OF DATA INVALID - 9.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	9	9	8	8	3	1	0	0	2	5	****	12	12	13	10	7	2	1	2	3	2	1	2	5
2	3	5	7	7	6	1	0	0	0	1	5	14	11	14	20	18	10	3	0	0	1	0	0	2	5
3	4	4	2	1	1	1	0	0	1	2	4	6	9	8	8	9	5	2	1	1	2	2	1	1	3
4	1	1	1	2	3	5	2	1	1	2	4	6	****	11	14	6	3	0	0	0	1	1	1	1	3
5	0	0	0	0	0	4	17	19	16	7	7	9	10	12	11	8	7	5	3	4	3	4	5	6	7
6	10	14	13	14	14	7	3	1	3	5	6	7	9	10	7	7	4	5	5	7	8	10	12	12	8
7	13	15	17	18	17	17	10	5	6	8	11	11	12	****	10	9	3	2	2	2	2	5	4	1	9
8	0	4	8	13	11	11	5	0	0	4	6	8	11	11	8	6	4	0	0	0	0	0	2	2	5
9	3	4	9	11	9	9	5	0	0	6	8	****	10	11	16	****	8	0	0	0	0	0	0	0	5
10	0	0	0	0	0	0	0	0	0	4	6	11	13	17	14	12	7	4	2	2	6	2	5	6	5
11	5	4	6	16	16	8	8	3	4	6	8	10	12	15	13	9	7	5	6	5	7	11	16	12	9
12	8	10	11	9	13	17	13	18	13	11	9	12	8	9	9	7	5	5	4	4	4	4	5	5	9
13	2	1	4	3	9	15	6	0	0	2	4	7	15	****	10	7	5	0	0	0	0	2	2	0	4
14	0	2	6	4	2	0	0	0	0	2	4	6	11	9	****	11	6	2	0	0	0	0	0	0	3
15	0	0	0	0	2	2	0	0	0	5	14	12	****	****	19	16	15	5	2	3	5	2	3	0	5
16	2	0	1	0	0	0	2	2	2	5	11	14	9	10	8	****	20	20	16	17	12	13	19	18	9
17	13	16	18	19	17	9	3	3	5	9	15	21	23	17	21	13	13	11	6	4	2	2	6	3	11
18	2	2	3	6	2	2	2	3	6	10	14	24	25	23	26	16	12	9	5	5	2	2	2	2	9
19	0	0	0	0	0	0	0	2	6	11	14	16	19	19	****	15	13	9	3	2	2	2	1	1	6
20	1	0	0	0	1	0	0	1	1	1	4	16	17	12	16	17	16	20	8	2	0	0	0	1	6
21	8	12	14	13	13	6	1	0	1	5	11	17	20	24	22	15	9	6	5	4	6	5	4	3	9
22	9	13	10	2	2	2	1	1	3	3	10	10	7	8	9	5	4	2	2	0	3	1	1	2	5
23	4	6	6	5	7	7	1	0	2	4	7	12	18	25	29	19	16	11	10	9	4	5	6	5	9
24	4	5	8	6	9	10	4	2	4	6	11	12	12	12	13	13	10	9	8	14	20	22	21	19	11
25	17	15	6	19	18	17	13	10	16	8	6	8	8	9	9	10	8	2	1	2	3	1	0	0	9
26	0	3	3	4	7	6	4	8	10	13	13	16	15	15	14	12	8	7	1	3	3	1	3	3	7
27	2	4	7	10	10	6	2	2	2	5	12	16	20	15	16	15	10	6	3	2	0	0	1	2	7
28	1	0	1	2	1	0	0	0	2	5	9	21	33	35	37	26	23	21	18	8	1	1	2	1	10
MEAN	4	5	6	7	7	6	4	3	4	5	9	12	14	15	15	12	9	6	4	4	4	4	4	4	6.8

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		0	0	6	24	20	7	1 ****	0	2	11	17	20	18 ****	19	13	9	1	0	1	3	1	1			
2		2	2	4	8	9	3	0 1	3	6	12	20	16	17 21	21	15	8	1	2	4	1	1	0	7		
3		0	0	0	0	0	0	15 17	***	14	18	13	7	13 8	7	8	8	4	7	7	9	10	10	8		
4		11	10	12	17	18	16	12	9 11	12	13	13	14	14 15	14	11	10	5	5	4	6	5	1	11		
5		0	1	3	5	9	12	13	14 14	19	19	19	22	20 13	14	12	12	13	18	18	18	15	5	13		
6		6	17	18	4	0	0	0 1	1	3	10	19	23	17 20	17	13	8	6	4	4	1	0	0	8		
7		2	7	15	22	20	12	5	2 5	8	15	16	15	16 16	13	11	7	7	5	9	5	2	2	10		
8		1	2	2	1	1	0	0	0 0	6	18	23	***	25	20	19	15	14	15	1	0	0	0	7		
9		0	0	0	0	0	0	0	0 1	6	7	13	21	25	25	23	25	20	22	24	28	11	1	5		
10		6	4	5	8	5	1	0	0 1	5	12	21	27	44	51	50	40	38	25	0	0	1	2	1	14	
11		0	0	0	0	1	5	8	11 25	31	35	37	40	41 55	61	62	37	35	32	39	42	45	40	28		
12		46	61	65	71	60	25	18	16 21	29	31	26	25	21 ****	18	18	15	5	4	2	1	0	0	25		
13		0	0	0	0	0	0	0	0 1	5	10	20	26	31 32	29	20	10	28	27	31	22	28	37	15		
14		36	36	47	56	57	51	39	21 17	12	10	19	15	13 7	8	7	5	12	11	10	10	9	9	22		
15		18	19	22	23	23	19	5	1 1	3	4	7	11	10 9	7	5	5	2	3	3	2	1	1	9		
16		1	4	5	15	17	14	3	0 2	12	18	20	24	24 21	****	18	18	17	19	22	23	21	25	15		
17		30	31	32	24	9	12	12	12 11	16	20	20	25	24 21	14	17	16	11	6	3	5	5	2	16		
18		6	12	15	18	14	10	6	9 11	14	25	31	22	28 37	36	37	41	37	31	33	28	4	16	22		
19		20	25	25	24	19	17	15	17 23	21	18	16	14	12 11	10	11	11	10	9	7	6	5	4	15		
20		7	3	3	3	1	0	0	1 15	18	22	23	25	24 25	26	26	25	26	27	15	20	1	1	14		
21		0	14	9	7	8	2	1	0 0	0	0	0	0	1 4	5	5	6	5	6	7	8	8	11	4		
22		19	21	24	32	31	21	8	5 7	8	11	15	25	24 20	16	12	5	0	1	0	0	0	2	13		
23		9	8	10	11	6	5	1	2 4	7	9	12	17	16 14	14	9	5	2	0	1	1	5	10	7		
24		16	19	18	18	18	22	22	20 17	15	16	15	18	18 19	19	17	13	11	2	1	0	1	1	14		
25		5	9	11	11	6	3	2	4 11	29	25	21	26	25 33	34	35	31	24	16	16	30	30	29	19		
26		29	30	31	32	33	31	29	28 28	27	26	26	27	24 24	24	18	15	11	5	10	9	11	8	22		
27		8	10	10	13	14	11	5	3 2	3	4	8	8	8 8	8	7	5	1	1	1	1	4	10	6		
28		9	11	11	20	20	18	11	0 0	10	8	9	10	4 4	1	0	0	0	0	0	0	0	0	6		
29		1	4	11	16	17	10	3	0 3	6	7	6	11	10 10	****	6	6	3	1	1	2	1	0	6		
30		2	4	6	5	6	5	4	4 5	11	17	18	21	17 18	6	6	5	0	3	9	7	1	1	8		
31		1	0	0	0	0	0	1	3 8	14	18	21	19	22 23	26	26	29	32	32	35	35	32	30	17		
MEAN		9	12	14	16	14	11	8	7 8	12	15	17	19	20 20	19	17	14	12	10	10	10	8	8	12.9		

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH - APR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	30	23	9	6	6	5	3	7	23	24	26	25	****	****	18	11	12	13	16	18	17	17	14	10	15
2	16	13	18	18	23	22	24	22	25	24	24	24	21	21	22	22	18	17	29	4	3	0	0	0	17
3	0	10	31	35	31	31	29	20	19	23	19	15	15	17	17	15	12	17	18	21	17	5	6	0	18
4	0	0	0	0	0	0	0	0	5	****	9	10	6	0	0	0	4	6	6	0	0	0	2	6	3
5	13	16	18	21	21	15	4	5	4	8	8	9	10	10	6	6	4	4	0	0	0	0	0	0	8
6	0	0	0	0	0	0	1	8	14	18	22	22	24	20	6	17	18	23	21	12	12	18	16	21	12
7	14	9	3	0	2	7	3	3	5	6	6	6	8	7	5	6	5	5	4	3	5	6	6	4	5
8	3	5	8	14	13	11	10	8	7	7	7	7	9	10	9	9	8	8	7	6	8	9	7	3	8
9	3	3	7	14	19	15	17	22	24	22	24	25	27	19	20	19	17	22	15	4	10	13	18	13	16
10	5	9	5	20	22	14	18	15	14	19	8	8	15	23	21	16	8	7	10	10	13	12	7	7	13
11	13	16	22	24	24	3	9	2	5	6	2	0	0	1	3	4	5	****	11	4	5	3	6	13	8
12	5	10	13	18	19	6	6	11	10	16	15	13	16	15	21	16	8	2	18	33	36	31	5	16	15
13	18	25	19	15	11	7	9	4	8	9	7	6	7	7	5	3	3	5	5	4	3	6	5	5	8
14	8	6	11	14	23	17	5	6	7	****	9	7	8	8	8	7	5	3	3	2	3	4	5	2	7
15	0	0	0	0	11	13	10	13	12	10	9	11	6	6	9	8	9	7	5	2	0	0	0	0	6
16	2	0	0	3	1	6	4	10	15	23	22	21	24	****	22	20	5	7	3	0	6	8	6	8	9
17	14	19	20	19	11	3	2	5	12	18	19	16	25	25	28	27	28	18	10	3	2	1	0	0	14
18	0	0	0	0	0	0	12	13	17	23	27	31	39	39	19	18	15	21	21	34	39	41	42	38	20
19	37	38	41	42	39	37	19	9	7	9	11	12	12	8	10	4	3	4	5	7	8	7	9	10	16
20	15	15	17	22	24	17	8	4	5	7	7	9	10	11	8	5	5	2	2	4	7	9	10	11	10
21	18	20	23	21	18	16	7	****	8	10	12	14	14	12	13	10	9	8	7	4	7	4	8	11	12
22	13	13	13	19	16	5	7	13	15	17	17	19	22	21	24	20	14	13	12	9	7	7	9	5	14
23	0	3	2	0	1	5	11	16	19	22	30	34	37	37	37	36	37	34	27	9	9	0	0	0	17
24	0	0	2	2	5	2	2	4	10	23	25	26	26	****	28	25	13	10	11	6	3	6	5	0	10
25	0	3	8	15	13	5	4	6	11	19	28	24	25	28	29	30	25	28	27	19	0	0	0	0	14
26	0	0	0	0	1	2	3	5	19	25	28	30	29	28	25	****	33	45	31	6	4	4	3	0	14
27	0	2	4	9	14	8	4	3	5	14	23	30	30	28	27	25	33	23	6	6	3	8	12	10	14
28	17	19	16	14	13	6	5	7	11	16	17	16	20	17	14	****	15	12	7	4	3	1	1	1	11
29	0	0	0	4	13	4	12	7	9	18	17	19	20	19	19	17	14	12	12	9	10	11	9	11	11
30	12	16	16	17	20	11	19	23	19	18	22	22	22	21	19	18	16	****	14	13	10	2	4	9	16
MEAN	9	10	11	13	14	10	9	9	12	16	17	17	18	17	17	15	13	13	12	9	8	8	7	7	12.1

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH - MAY 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	15	23	22	19	13	9	5	8	10	9	10	****	11	11	11	8	11	11	13	12	7	3	3	2	11		
2	7	4	5	3	7	3	3	8	10	12	****	16	16	19	24	42	15	14	14	10	6	3	4	8	11		
3	16	13	15	8	6	0	2	4	8	15	18	****	****	****	****	****	****	****	****	****	****	****	****	****	****		
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	22	18	20	21	10	14	7	8	18	****		
5	25	32	28	16	34	21	22	9	16	20	18	****	24	22	17	8	7	17	3	0	3	0	3	5	15		
6	2	3	5	6	8	3	3	5	5	4	7	****	8	6	9	14	12	6	3	2	0	2	4	9	5		
7	5	4	14	16	20	12	15	19	21	35	40	39	41	35	40	47	46	43	45	36	35	43	40	42	31		
8	43	38	32	28	23	21	14	12	16	14	8	14	15	17	20	10	12	13	17	24	18	13	2	17	18		
9	19	9	23	10	9	3	0	0	2	10	18	21	26	26	9	7	10	19	13	18	12	17	13	13	13		
10	17	18	17	15	9	5	2	5	****	6	5	6	8	8	8	7	8	6	6	2	4	2	0	0	7		
11	0	0	0	0	0	0	5	9	11	13	13	23	28	45	26	26	30	34	28	15	12	11	0	0	14		
12	0	9	15	23	32	23	9	4	6	13	10	16	17	9	8	10	21	19	21	28	18	17	29	34	16		
13	31	33	34	27	24	26	31	34	35	34	28	14	13	9	35	26	27	18	11	30	25	28	39	39	27		
14	35	31	39	40	36	38	40	31	26	****	****	20	26	34	32	35	26	30	32	36	40	43	43	37	34		
15	43	44	41	39	34	17	10	10	13	13	****	16	18	22	18	14	11	6	3	6	16	18	14	12	19		
16	12	20	15	18	22	14	7	4	3	5	16	19	18	21	22	21	23	28	10	2	0	2	7	17	14		
17	22	22	21	19	8	0	0	1	2	2	10	14	19	22	21	19	21	26	18	9	4	2	0	2	12		
18	0	0	0	0	0	0	0	1	3	8	****	18	22	31	34	27	25	13	4	1	0	0	0	0	8		
19	0	0	0	0	0	0	0	6	14	19	27	34	****	42	31	15	10	10	4	0	0	0	0	0	9		
20	0	1	4	6	1	0	4	25	19	31	46	62	59	58	53	48	30	13	32	29	20	13	7	1	23		
21	2	18	9	9	9	10	15	20	17	17	18	15	26	36	23	18	15	10	9	8	6	2	0	0	13		
22	7	4	5	0	0	0	6	15	18	20	23	28	37	41	48	47	47	42	31	25	18	7	0	0	20		
23	0	0	0	0	0	0	7	17	24	25	29	34	35	40	30	39	42	47	23	28	38	19	0	0	20		
24	0	3	8	11	13	11	8	3	10	31	43	53	****	66	60	40	43	55	51	34	19	13	1	9	13	24	
25	12	4	11	13	5	1	6	14	21	25	34	33	29	31	25	33	38	18	10	6	1	0	0	0	15		
26	1	2	9	11	9	2	2	5	21	21	40	65	74	81	86	59	53	56	79	66	26	49	13	9	35		
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	102	114	112	116	115	110	112	102	73	19	0	****
28	0	0	13	42	62	47	30	44	64	70	66	60	60	59	56	59	48	52	51	47	35	18	14	18	42		
29	0	0	0	4	19	23	1	1	11	24	47	51	48	38	45	41	44	46	21	31	47	27	40	35	27		
30	13	0	0	0	0	1	5	14	9	4	****	40	41	49	57	61	58	65	75	54	63	66	58	40	35	35	
31	50	13	4	28	14	2	6	13	21	28	37	48	****	20	15	12	10	10	10	10	11	9	7	3	5	16	
MEAN	13	12	13	14	14	10	9	11	15	19	26	30	32	35	34	31	30	29	25	23	20	16	12	12	20.2		

PERCENTAGE OF DATA VALID - 92.9



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	8	10	9	5	2	2	3	3	7	12	19	19	36	39	38	29	25	27	35	2	19	9	6	16
2	14	10	11	2	0	2	1	4	7	10	20	18	12	13	10	8	5	4	4	3	1	0	3	7	7
3	10	13	15	14	8	6	7	9	11	13	16	21	24	26	24	19	17	13	13	13	10	7	1	1	13
4	0	0	0	0	3	3	6	10	23	23	26	32	28	35	***	***	***	***	***	***	***	***	***	***	***
5	***	***	***	***	***	***	***	***	***	***	3	4	5	5	6	6	7	8	9	7	1	0	0	0	***
6	0	0	0	0	0	0	1	6	8	25	35	20	22	20	21	28	30	32	30	31	30	6	4	11	15
7	17	24	13	7	9	5	5	4	4	2	4	9	11	13	5	5	6	2	0	0	0	0	1	14	7
8	21	2	14	11	2	2	4	7	10	15	17	16	22	***	6	6	6	7	7	8	7	4	4	6	9
9	9	14	21	21	20	11	2	3	8	10	13	14	16	20	12	12	13	12	12	11	11	10	2	2	12
10	0	0	1	1	1	1	2	9	19	21	22	24	35	45	46	40	39	42	43	32	20	19	22	24	21
11	12	26	44	27	22	29	33	32	36	51	62	68	70	69	69	70	72	74	80	81	45	49	44	44	50
12	47	31	19	17	17	12	11	13	28	43	***	57	55	59	55	47	31	18	16	18	18	14	8	13	28
13	19	22	19	16	18	7	3	5	11	11	6	9	9	13	12	9	12	15	17	14	6	9	7	9	12
14	15	18	20	17	11	3	1	7	14	19	19	19	17	***	9	9	12	14	12	9	5	3	3	8	11
15	13	13	16	15	6	1	2	5	8	11	17	30	28	26	28	19	22	27	23	25	17	4	3	3	15
16	3	3	4	6	5	7	5	8	12	21	25	25	30	31	18	24	22	3	1	2	13	1	6	14	12
17	18	7	8	16	14	10	15	15	12	13	18	35	35	29	32	31	45	48	49	35	45	40	27	31	26
18	26	7	9	10	19	9	8	20	26	31	26	***	26	27	17	18	15	13	10	8	7	4	0	2	15
19	2	2	3	2	0	0	0	0	0	1	3	4	8	15	17	22	28	23	17	***	***	***	***	***	***
20	***	***	***	***	***	***	***	***	***	***	***	***	***	***	38	53	66	84	72	86	71	54	38	30	***
21	48	30	0	0	0	0	7	8	0	3	18	33	***	40	44	37	20	11	11	7	5	0	0	0	14
22	6	6	7	6	1	0	3	6	10	13	15	13	13	9	10	11	13	13	11	9	0	6	18	4	8
23	2	5	18	17	9	2	4	5	8	10	12	13	8	8	6	6	5	4	4	2	2	0	0	0	6
24	0	0	0	0	0	0	3	7	14	19	24	24	28	30	25	27	29	26	26	19	20	13	0	0	14
25	0	0	0	0	0	0	4	30	32	36	42	45	51	***	67	60	64	68	61	57	56	26	44	54	35
26	53	35	45	40	10	22	11	6	5	16	25	22	42	49	38	32	40	40	32	18	23	12	12	8	27
27	4	11	8	20	4	7	5	8	15	20	27	41	53	40	15	14	15	17	13	10	11	6	7	9	16
28	14	14	13	8	5	2	2	4	6	9	11	11	7	8	6	7	6	4	5	2	0	0	0	0	6
29	0	0	6	12	4	0	2	4	10	16	13	14	16	14	12	11	12	11	10	8	10	7	3	3	8
30	5	17	22	16	8	2	2	4	9	10	***	17	15	14	13	11	11	9	6	6	4	6	6	3	9
MEAN	13	11	12	11	7	5	5	9	13	17	20	23	25	27	25	24	24	23	22	20	16	11	10	11	16.0

PERCENTAGE OF DATA VALID - 93.5

PERCENTAGE OF DATA INVALID - 6.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	3	6	17	20	19	21	22	22	23	24	24	24	28	26	13	0	0	0	12
2	0	0	0	0	0	2	6	20	27	29	32	40	44	50	40	37	33	29	31	27	16	8	6	12	20
3	27	33	31	32	24	7	11	28	35	38	42	45	50	43	34	31	36	3	20	36	35	22	37	47	31
4	47	34	35	37	31	28	13	21	26	23	***	19	22	25	26	27	28	29	27	30	16	0	0	0	24
5	0	0	0	0	0	0	0	2	11	26	34	37	34	42	33	35	60	62	53	48	48	50	31	13	26
6	0	3	9	5	2	0	2	11	23	20	41	45	54	***	60	56	54	55	62	63	61	51	60	44	34
7	60	62	53	57	30	16	17	27	34	43	58	66	63	60	56	58	70	73	63	70	64	68	83	76	55
8	74	59	49	37	28	24	28	26	28	36	45	49	46	45	22	24	17	13	10	7	10	7	4	4	29
9	3	3	4	5	5	2	4	10	6	3	3	3	***	44	44	44	36	30	23	11	16	17	15	23	15
10	28	36	39	28	17	5	1	2	5	5	7	8	9	8	7	6	5	4	4	3	1	1	0	1	10
11	1	4	5	5	2	0	1	2	4	5	***	6	8	9	13	16	8	9	8	5	1	0	0	1	5
12	0	1	0	0	0	0	0	1	5	9	21	24	27	***	31	32	36	29	24	21	22	12	3	17	14
13	0	7	6	1	0	3	9	16	22	24	23	28	35	45	50	53	51	60	56	41	28	15	12	9	25
14	10	15	22	17	3	0	1	4	10	12	24	31	35	37	28	22	30	28	24	8	0	9	5	0	16
15	0	0	0	1	0	0	0	4	11	16	20	29	38	44	43	45	46	19	12	10	5	3	4	3	15
16	3	7	8	7	5	4	5	5	5	6	8	12	19	15	6	7	7	4	3	2	2	2	1	2	6
17	2	2	2	3	1	0	0	0	2	2	1	1	***	34	41	39	43	52	46	38	2	1	0	0	14
18	1	1	1	1	0	0	2	10	16	***	37	48	64	69	63	65	70	58	29	22	16	6	16	26	
19	19	13	6	18	23	11	1	2	13	26	42	54	83	88	83	75	79	81	66	34	10	13	16	22	37
20	26	50	53	51	43	26	29	36	43	60	75	95	***	100	94	93	96	89	81	82	44	17	11	10	57
21	9	6	1	3	0	0	2	3	6	8	***	37	47	31	32	23	20	23	60	65	28	19	27	0	20
22	0	0	1	5	3	1	4	9	16	34	48	59	65	72	76	75	64	66	30	33	44	50	58	37	
23	42	40	38	37	31	27	24	25	28	23	23	21	16	12	9	10	11	-	9	7	5	3	4	2	19
24	2	2	2	1	0	0	1	2	10	14	19	24	23	17	17	14	15	17	16	18	19	14	11	12	11
25	12	7	0	0	0	0	1	6	15	21	31	34	37	47	51	53	58	63	76	71	50	21	1	5	28
26	18	23	50	57	21	12	10	15	22	34	32	32	42	50	56	58	59	60	60	40	11	24	20	17	34
27	32	36	39	42	30	18	7	9	14	21	27	36	40	40	28	33	13	5	1	0	1	2	4	4	20
28	2	1	2	3	1	0	1	1	3	4	7	14	17	21	27	29	35	36	32	27	17	4	1	0	12
29	0	0	1	0	2	9	9	14	17	23	23	24	27	32	16	18	16	14	17	11	13	11	8	7	13
30	9	9	10	9	8	7	5	5	7	10	12	15	17	18	19	22	24	28	21	10	12	2	0	0	12
31	0	5	0	0	2	5	5	9	14	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
MEAN	14	15	15	15	10	7	6	10	16	20	28	32	36	40	38	37	38	37	35	29	21	15	14	14	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	....	....	....	....	....	....	....	....	....	....	....	20	29	43	61	60	55	64	54	51	18	9	0	0	.....
2	0	0	0	0	0	0	0	6	23	39	49	60	69	60	51	47	56	62	60	57	70	37	54	38	35
3	45	43	29	30	22	4	3	2	5	6	8	9	10	15	20	25	39	49	48	19	7	7	8	11	19
4	10	11	11	14	12	2	0	1	3	8	14	16	22	23	24	26	32	33	12	1	0	2	0	12	
5	0	0	0	0	0	0	0	4	13	22	24	29	42	40	42	46	47	52	59	58	56	52	47	0	26
6	0	0	0	2	3	2	3	7	16	42	53	73	77	78	80	86	93	97	97	75	83	40	0	42	
7	0	0	0	1	1	1	3	12	30	56	76	68	....	77	75	80	83	81	71	59	54	34	5	0	38
8	20	36	42	17	9	6	1	2	7	19	24	28	39	47	59	62	73	87	70	63	54	54	55	54	39
9	53	54	56	57	53	45	29	14	15	18	19	24	23	13	7	12	14	13	8	5	2	1	0	22	
10	2	3	10	9	3	0	0	1	3	10	16	17	20	24	....	26	30	30	23	5	1	0	0	10	
11	0	0	0	0	0	0	0	1	4	13	21	24	25	....	29	27	26	23	16	11	7	4	0	0	10
12	0	0	0	0	0	2	1	1	3	11	18	37	61	82	78	73	79	75	80	69	62	59	53	18	36
13	13	1	1	2	3	5	2	11	26	41	57	59	73	91	97	92	87	78	45	2	0	1	1	0	33
14	0	3	3	5	2	1	0	0	2	11	32	54	70	66	74	86	79	68	50	47	48	25	8	3	31
15	33	44	25	33	7	11	11	10	11	21	30	42	49	....	87	89	69	17	13	8	25	36	45	30	32
16	45	43	27	32	30	28	18	19	19	21	22	30	38	43	40	42	50	55	51	31	17	15	10	17	31
17	26	29	26	20	15	10	1	2	4	3	2	4	8	8	9	6	7	7	5	2	0	0	0	0	8
18	0	0	1	0	0	0	1	5	13	22	37	39	50	52	57	56	49	44	34	29	26	24	16	3	23
19	2	10	18	7	1	8	10	12	22	26	35	40	56	64	75	74	62	9	10	8	6	8	5	5	24
20	6	7	7	7	8	3	1	5	6	8	9	13	15	15	15	16	15	13	9	4	3	1	0	0	8
21	0	1	3	4	1	0	0	1	3	10	....	24	35	29	25	24	28	33	28	20	27	49	55	....	18
22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	68	73	94	98	85	51	33	3	0	....
23	0	5	5	15	0	0	0	0	3	22	....	48	75	95	94	70	82	83	70	65	40	30	47	16	38
24	5	25	48	56	21	43	21	6	4	11	26	19	14	6	12	21	17	4	1	0	0	0	0	15	
25	0	3	4	3	1	0	0	0	0	0	3	11	14	21	29	32	31	26	15	8	4	1	1	0	9
26	0	2	7	8	7	5	1	1	6	14	16	21	34	33	33	51	55	56	51	25	6	1	0	0	18
27	0	0	0	2	7	9	3	6	14	15	18	20	19	18	17	13	14	17	18	18	19	19	14	16	12
28	19	19	18	17	13	5	3	3	4	7	13	18	20	26	29	32	27	35	36	34	15	6	6	8	17
29	13	14	15	18	16	9	3	3	6	9	12	9	9	10	8	6	5	4	3	0	0	0	0	0	7
30	0	0	0	0	0	0	0	0	2	4	12	....	24	24	26	26	23	22	15	5	2	2	2	1	8
31	1	1	1	1	0	1	0	0	0	3	6	12	23	26	23	25	30	34	33	23	14	3	0	0	11
MEAN	10	12	12	12	8	7	4	5	9	17	25	31	37	40	45	45	47	44	37	27	22	17	13	7	22.5

PERCENTAGE OF DATA VALID - 95.6

PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	5	9	5	0	0	0	3	13	19	30	31	40	50	48	53	59	58	55	61	41	5	0	2
2	0	0	0	2	4	1	2	5	18	30	42	45	48	64	74	77	72	77	75	68	39	44	51	55	37
3	72	35	65	53	42	22	37	44	38	37	50	49	45	78	94	88	23	9	8	5	6	5	4	2	38
4	5	5	4	6	7	6	4	4	4	8	13	18	31	35	41	41	42	38	9	3	3	6	1	0	14
5	0	0	0	0	0	0	0	0	0	0	2	7	13	13	16	24	43	63	47	36	45	46	33	38	21
6	11	19	31	34	34	19	3	11	18	41	23	27	29	24	21	19	38	24	14	56	71	21	28	32	27
7	36	36	32	24	13	4	4	3	3	5	6	13	17	21	21	14	21	17	13	17	14	21	19	18	16
8	22	11	7	11	10	14	13	13	12	14	14	11	7	10	9	11	4	3	0	0	0	0	0	2	8
9	3	3	3	4	6	3	5	7	8	13	15	22	26	29	32	29	29	27	17	8	20	15	18	16	15
10	19	20	16	17	16	14	10	15	21	21	.....	.....	.....	29	26	27	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	10	8	11	22	10	3	3	3	3	4	5	.....	13	16	19	13	16	10	9	0	2	3	4	7	8
13	10	12	13	11	5	2	2	3	9	12	15	18	19	16	18	22	24	23	24	25	23	23	22	15	10
14	24	21	14	10	15	10	6	9	9	11	13	16	16	20	28	23	26	20	16	22	19	4	7	7	15
15	7	3	9	13	4	0	0	3	6	10	8	11	10	8	7	10	17	14	18	16	22	30	16	10	11
16	14	18	22	14	10	4	3	6	7	9	10	8	12	11	12	12	7	5	5	4	6	3	1	0	8
17	0	0	0	0	1	0	0	0	4	9	8	13	.....	12	17	20	13	9	14	0	0	0	0	0	5
18	1	3	4	6	18	9	0	6	11	5	12	8	7	4	6	6	15	15	8	1	2	2	0	4	6
19	6	8	13	9	5	2	0	0	0	0	6	11	14	18	14	13	15	11	13	15	4	15	5	10	9
20	17	7	16	13	0	0	0	0	8	12	14	18	23	25	22	26	30	25	15	30	0	0	0	0	13
21	0	0	0	0	0	0	0	0	0	4	4	4	.....	.....	3	3	3	2	2	2	3	2	2	4	4
22	4	8	9	5	3	0	0	0	0	3	3	9	10	7	3	5	9	9	12	0	0	0	0	4	4
23	0	0	0	0	0	0	0	0	0	4	12	17	21	26	24	35	30	21	29	10	3	2	12	23	8
24	0	0	0	0	0	0	0	0	3	9	27	35	48	45	44	54	31	27	10	2	3	0	3	11	15
25	26	21	13	12	7	0	0	3	5	.....	8	7	6	6	6	5	6	3	4	0	0	0	0	0	6
26	0	0	0	0	0	0	0	0	0	0	5	12	15	17	20	16	16	16	18	5	4	12	24	19	9
27	0	0	0	5	12	4	2	2	3	8	17	24	29	33	37	39	35	42	27	3	5	5	4	5	14
28	7	9	6	8	3	2	0	4	6	7	7	8	7	7	5	5	3	3	0	0	10	0	0	4	4
29	0	0	0	0	0	0	0	3	0	.....	12	14	18	22	24	26	23	19	22	26	21	12	8	2	11
30	3	8	3	3	6	3	5	15	12	16	20	26	33	40	43	45	39	30	41	11	34	38	32	34	23
MEAN	10	9	10	10	8	4	3	6	8	13	15	19	23	26	28	27	26	22	16	14	15	13	11	10	14.4

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	17	14	14	10	4	4	7	9	9	9	8	7	10	14	13	3	5	5	4	5	6	2	2	9
2	2	3	2	2	1	0	0	0	6	9	14	15	22	23	19	25	28	16	9	11	5	0	0	0	9
3	0	0	3	3	11	9	8	10	12	****	****	****	19	19	20	17	25	35	33	23	29	8	15	2	14
4	12	10	21	16	12	4	2	3	3	****	****	****	10	15	12	11	9	7	4	2	1	0	0	3	7
5	2	2	0	0	0	2	2	0	8	6	****	12	11	11	10	16	24	20	21	17	22	6	12	30	10
6	16	9	15	20	13	1	2	1	8	****	5	4	12	11	9	6	10	4	2	3	4	4	3	3	7
7	5	6	8	7	2	4	2	5	8	****	8	10	12	8	6	4	0	0	0	0	2	2	0	4	4
8	0	3	5	8	8	4	5	5	4	5	7	4	6	5	6	3	5	2	3	0	0	0	0	4	4
9	0	0	0	0	0	0	0	0	4	16	21	24	25	26	24	26	23	16	8	18	13	4	12	17	12
10	15	20	21	19	8	4	0	0	4	6	18	27	34	42	31	22	24	27	15	5	10	12	6	4	16
11	4	3	3	3	3	4	4	5	9	17	22	31	41	38	30	20	22	25	32	38	24	29	38	32	20
12	38	35	32	30	20	16	10	11	20	23	22	29	31	35	23	18	13	10	10	11	8	4	3	3	19
13	5	6	7	3	3	3	3	3	4	****	****	5	5	4	4	5	5	3	3	0	4	5	7	8	4
14	12	9	10	6	5	4	9	6	5	****	4	4	5	6	5	6	6	4	2	3	4	4	2	3	5
15	3	3	2	3	2	1	2	6	11	16	25	24	28	28	29	28	26	28	24	13	11	11	12	12	15
16	12	17	18	17	11	9	9	9	13	20	****	21	25	25	25	24	20	18	13	12	11	11	10	7	16
17	7	7	7	6	6	6	6	6	8	10	19	23	27	27	26	26	25	16	23	23	12	10	11	15	15
18	8	9	11	10	9	11	10	7	7	9	13	13	13	17	17	13	11	9	9	9	8	8	9	10	10
19	8	14	20	19	17	11	8	8	8	****	12	16	16	14	13	12	12	12	12	13	15	16	17	13	13
20	17	17	11	13	9	9	9	10	14	18	22	25	27	28	28	25	24	18	13	14	12	14	15	14	17
21	12	14	12	14	13	12	11	11	17	22	28	32	36	37	36	36	38	39	45	37	34	34	29	33	26
22	26	22	24	28	29	58	44	24	****	19	21	23	30	35	55	43	48	47	22	41	39	26	6	7	31
23	21	22	19	17	11	8	5	5	3	2	3	7	9	10	8	8	10	9	9	11	5	1	0	0	8
24	3	3	3	3	2	2	1	2	3	5	10	****	14	14	17	17	16	14	15	12	15	10	10	10	9
25	5	12	25	19	10	9	13	12	13	15	11	9	10	10	13	11	5	11	13	15	13	15	****	****	12
26	DATA INVALID -													DATA INVALID -											
27	DATA INVALID -													DATA INVALID -											
28	****	****	****	****	****	****	****	****	1	10	7	6	5	7	6	1	1	2	3	3	1	1	2	4	4
29	4	4	4	4	4	4	2	1	1	4	4	10	12	12	14	20	15	9	6	3	4	4	9	6	7
30	13	12	15	11	7	10	11	6	12	13	14	15	14	15	17	14	9	5	4	5	5	5	5	5	10
31	5	9	7	10	10	8	7	7	7	8	9	11	13	16	19	9	9	9	10	9	4	3	1	0	8
MEAN	10	10	11	11	8	8	7	6	8	12	14	15	18	19	19	16	16	15	12	12	11	9	9	9	11.9

PERCENTAGE OF DATA VALID - 90.2

PERCENTAGE OF DATA INVALID - 9.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION														
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - NOV 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	2	3	3	2	2	2	2	3	1	3	9	****	8	8	11	9	7	****	****	****	****	****	****	****	5		
2	DATA INVALID -																										
3	****	****	****	****	****	****	****	****	****	****	****	****	6	11	9	10	9	3	1	0	0	0	0	0	****		
4	0	0	0	0	0	0	0	0	2	4	5	11	10	10	8	6	2	1	0	0	0	0	0	0	2		
5	0	0	0	0	0	0	0	0	3	4	4	9	14	19	30	37	29	9	1	0	3	28	12	27	10		
6	37	36	28	30	31	23	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8		
7	0	0	0	0	0	0	0	0	0	0	****	4	6	8	5	3	1	0	0	0	0	0	0	0	1		
8	0	1	1	0	0	0	0	0	0	2	6	6	6	6	6	4	3	2	1	1	0	1	1	0	2		
9	0	1	3	10	11	8	3	1	2	3	4	5	7	7	7	4	1	1	0	0	0	0	0	0	3		
10	0	0	0	0	0	0	0	0	0	1	1	2	2	3	1	1	1	1	2	2	2	1	0	0	1		
11	1	2	0	0	1	0	0	0	0	1	2	7	9	9	7	5	1	2	1	2	1	2	2	3	2		
12	3	4	6	8	11	11	9	8	8	4	4	4	4	3	3	4	5	6	8	1	0	0	1	1	5		
13	3	6	7	7	4	3	1	1	1	1	****	1	1	1	0	0	0	0	0	0	0	1	2	0	2		
14	2	2	0	2	1	2	2	1	0	1	1	3	3	4	3	1	0	1	0	1	1	2	2	3	2		
15	4	8	9	10	10	6	2	0	0	0	1	1	2	4	3	1	1	0	0	0	0	0	0	0	3		
16	0	0	0	0	0	1	1	0	0	1	6	8	10	12	12	8	5	4	6	8	12	12	10	10	5		
17	11	13	14	13	10	9	7	4	4	3	3	3	4	4	4	0	2	3	3	4	4	3	3	3	5		
18	0	2	3	3	5	6	6	8	8	6	4	4	3	3	4	3	3	2	2	4	5	7	6	4	5		
19	2	3	6	9	10	7	6	6	10	11	10	9	6	5	5	4	3	1	2	2	3	3	5	6	6		
20	10	12	12	12	12	10	4	1	1	2	3	4	3	4	3	2	1	0	0	1	2	3	3	2	4		
21	3	4	5	7	6	4	2	0	0	1	1	2	4	5	6	3	1	1	0	3	4	7	7	7	3		
22	7	8	8	8	7	8	8	7	5	****	6	7	9	9	9	7	8	7	6	5	5	6	5	4	7		
23	3	3	2	3	2	2	1	2	1	1	0	0	0	0	****	0	0	0	0	0	0	0	0	0	1		
24	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	1	1	2	1	0		
25	1	2	3	5	6	6	4	1	1	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	2		
26	0	0	0	1	2	1	1	1	2	2	3	3	7	4	4	4	0	0	0	0	0	0	0	1	2		
27	14	11	5	5	5	4	12	12	12	11	14	12	7	6	5	4	1	1	1	1	1	1	1	1	6		
28	2	3	3	3	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	4	3	1	2	2		
29	3	2	1	1	1	1	1	1	1	4	4	4	4	4	3	3	2	1	0	0	0	0	0	0	2		
30	3	3	3	5	4	3	2	1	1	1	****	2	2	2	2	1	0	1	0	0	0	1	2	0	2		
MEAN	4	5	4	5	5	4	3	2	2	3	4	4	5	5	6	4	3	2	1	1	2	3	2	3	3.1		

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION																							
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - DEC 78																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN											
1	1	2	1	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
2	2	3	4	4	4	4	2	2	2	2	2	***	4	3	2	2	1	1	1	1	1	1	1	1	2											
3	0	0	0	0	2	1	2	1	4	10	10	9	8	7	6	3	3	3	2	2	0	0	0	0	3											
4	3	1	1	4	4	4	2	2	2	2	3	***	3	3	2	2	2	2	3	3	5	3	3	3	3											
5	5	7	7	7	6	5	3	2	1	3	3	5	5	5	5	4	3	3	3	2	3	5	6	3	4											
6	4	3	3	2	1	1	1	1	1	3	3	3	3	3	3	3	1	1	1	1	1	2	2	1	2											
7	2	3	4	6	4	4	1	1	1	5	6	5	10	10	9	8	6	4	4	2	1	1	1	2	4											
8	2	1	1	1	1	1	1	1	1	0	0	0	4	4	2	0	0	0	0	0	2	2	2	2	1											
9	3	5	6	5	6	6	3	2	2	4	5	5	6	5	5	4	4	4	4	5	7	9	6	5	5											
10	7	5	6	9	10	11	11	11	11	10	10	10	12	10	7	6	5	4	6	7	7	7	5	6	8											
11	8	8	5	5	5	3	0	0	0	2	2	***	5	4	4	3	1	1	0	0	0	0	0	0	2											
12	0	0	0	1	2	2	1	1	2	4	5	5	***	3	3	3	2	1	1	1	2	1	1	1	2											
13	1	1	2	2	4	6	6	4	4	5	4	4	***	3	4	4	2	2	2	2	4	6	6	3	3											
14	7	8	10	12	15	12	4	1	1	2	3	5	7	9	8	6	4	2	5	7	8	9	9	7	7											
15	9	8	8	8	8	7	4	1	1	3	3	4	6	5	5	4	2	1	1	0	0	0	0	0	4											
16	0	0	0	0	0	0	0	0	1	2	2	2	6	6	6	5	4	2	2	1	1	1	1	1	2											
17	1	1	1	3	8	12	12	11	10	9	8	8	9	8	7	5	6	4	5	5	3	3	3	3	6											
18	2	5	6	4	5	2	0	0	0	1	2	1	1	2	3	1	1	0	1	2	1	0	1	3	2											
19	5	4	0	0	0	0	0	0	0	1	2	2	4	3	3	1	0	0	0	0	1	0	0	0	1											
20	0	0	0	0	0	0	4	6	5	1	8	7	5	4	4	3	3	3	2	1	0	0	0	0	2											
21	0	0	0	0	1	2	3	3	5	5	5	5	5	5	4	3	1	1	1	1	3	4	3	1	3											
22	1	4	6	7	6	8	4	1	1	1	2	3	3	3	2	3	3	3	2	1	3	4	5	6	3											
23	7	11	12	11	12	13	8	5	4	5	5	6	6	6	7	6	3	0	0	0	0	0	0	0	5											
24	0	0	0	0	5	9	11	13	8	8	8	1	8	5	5	4	3	3	5	4	6	6	5	5	5											
25	4	2	0	1	2	3	3	3	4	5	3	5	9	7	8	5	4	6	6	5	4	3	3	4	4											
26	6	8	11	13	13	12	13	13	9	7	8	11	9	8	7	3	2	2	2	2	3	3	1	1	7											
27	2	2	6	8	9	6	5	1	2	3	6	7	4	***	4	2	1	1	1	1	2	2	2	1	3											
28	3	4	6	6	1	0	0	0	0	1	4	5	8	6	4	3	0	0	0	0	0	0	0	0	2											
29	0	0	0	0	0	0	0	0	0	0	0	0	1	1	9	10	6	8	1	4	10	13	16	17	4											
30	19	19	19	11	10	11	9	7	3	5	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***											
31	- DATA INVALID -																																			
MEAN	3	4	4	4	5	5	4	3	3	4	4	5	6	5	5	4	3	2	2	2	3	3	3	3	3.6											
PERCENTAGE OF DATA VALID - 94.1													PERCENTAGE OF DATA INVALID - 5.9												PERCENTAGE OF DATA UNAVAILABLE - 0.0											

PERCENTAGE OF DATA VALID - 94.1 PERCENTAGE OF DATA INVALID - 5.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - DEC 78											
MONTH	NO OF DAYS				AVERAGE CONCENT				24-HOUR MAXIMUM				MAXIMUM READING											
JAN	26				5.1				10				18											
FEB	28				6.8				11				37											
MAR	31				12.9				28				71											
APR	30				12.1				20				45											
MAY	28				20.2				42				116											
JUN	27				16.0				50				86											
JUL	30				22.2				57				100											
AUG	29				22.5				42				98											
SEP	28				14.4				38				94											
OCT	29				11.9				31				58											
NOV	28				3.4				10				37											
DEC	29				3.6				8				19											
YEAR	343				12.7				57				116											

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	585	86	0	0	0	0	0	0	0	0	0	0	671
FEB	492	149	17	3	0	0	0	0	0	0	0	0	661
MAR	371	201	103	51	11	0	0	0	0	0	0	0	737
APR	372	202	103	32	0	0	0	0	0	0	0	0	709
MAY	269	164	92	117	38	2	9	0	0	0	0	0	691
JUN	318	178	77	67	30	3	0	0	0	0	0	0	673
JUL	293	105	108	126	74	13	0	0	0	0	0	0	719
AUG	318	111	87	78	94	23	0	0	0	0	0	0	711
SEP	370	148	82	64	27	2	0	0	0	0	0	0	693
OCT	367	183	83	36	2	0	0	0	0	0	0	0	671
NOV	630	30	7	4	0	0	0	0	0	0	0	0	671
DEC	667	33	0	0	0	0	0	0	0	0	0	0	700
YEAR	5052	1590	759	578	276	43	9	0	0	0	0	0	8307

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS										ARITH MEAN
	MIN	10	30	FREQUENCY 50	DISTRIBUTION, 70	PERCENT 90	95	98	99	MAX	
94.8	0	0.0	2.6	6.9	13.8	31.5	44.8	61.9	74.0	116	12.7

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	28	28	25	24	24	26	26	22	13	10	18	20	21	23	22	21	10	7	18	21	21	22	22	21
2	19	15	20	26	26	27	26	21	19	19	21	24	24	22	20	19	15	10	12	13	14	14	14	14	19
3	13	13	11	10	10	9	7	3	5	10	16	19	21	22	23	18	13	4	3	0	2	1	2	3	10
4	12	11	6	4	4	5	5	3	11	11	10	15	13	13	9	9	6	5	5	5	5	4	3	7	7
5	0	0	1	2	3	1	0	0	0	3	10	12	9	5	5	1	1	0	0	0	0	0	0	0	2
6	0	6	13	15	16	12	7	18	19	19	21	22	23	24	24	23	23	22	21	22	22	22	20	17	18
7	17	18	10	0	0	0	0	0	0	5	8	10	11	5	5	6	9	4	0	0	1	1	0	0	5
8	0	0	0	0	1	2	3	2	2	4	7	6	7	4	4	1	1	1	1	1	1	3	5	9	3
9	14	16	18	17	17	18	19	17	16	18	19	20	20	-	22	21	20	18	19	19	18	19	19	18	18
10	21	21	21	21	19	16	3	20	22	23	24	25	28	28	28	26	25	25	25	25	25	26	24	18	22
11	21	19	15	16	25	26	15	11	13	15	16	16	16	15	16	15	11	8	6	4	4	4	2	4	13
12	9	15	19	20	21	21	2	2	4	7	10	14	****	14	13	9	3	0	0	0	0	0	0	0	8
13	0	0	0	0	0	0	14	17	16	19	21	18	16	14	9	2	0	0	0	2	7	8	11	11	8
14	5	7	10	14	17	17	14	16	20	19	19	20	21	21	21	19	17	15	17	17	18	20	20	21	17
15	21	21	21	21	21	22	18	19	20	20	22	23	25	25	25	23	21	20	19	21	20	16	18	21	21
16	19	21	23	23	24	22	15	7	6	10	15	18	19	21	21	17	14	5	6	3	***	1	0	0	13
17	0	0	0	0	0	2	1	1	1	2	3	2	2	***	21	17	17	17	21	18	14	14	13	3	7
18	2	7	16	17	21	23	18	14	13	20	23	25	30	29	24	12	1	0	1	4	0	0	0	0	13
19	0	1	1	1	0	1	0	0	1	4	8	11	***	0	0	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	5	7	9	8	6	1	1	1	1	3	8	14	21	4
21	23	23	25	22	22	23	26	20	20	22	23	25	28	24	24	20	12	1	0	0	0	0	0	1	16
22	4	14	1	8	12	14	12	3	9	13	18	20	20	24	25	19	16	14	14	16	18	12	7	5	13
23	6	5	6	9	8	4	1	1	2	10	15	20	-	25	27	24	13	8	8	8	5	7	10	4	10
24	3	2	1	1	1	1	1	1	3	8	14	16	22	24	17	11	10	8	6	2	5	0	0	7	7
25	0	1	1	0	3	2	0	***	***	***	0	0	1	3	5	2	2	6	12	11	11	14	14	13	5
26	14	16	12	6	7	11	11	8	9	12	15	17	18	19	19	19	18	17	13	12	17	16	19	22	14
27	22	20	22	21	21	22	22	21	21	21	21	***	25	25	26	26	24	21	20	20	20	21	22	22	22
28	24	25	27	28	28	12	8	6	9	13	19	22	27	27	27	27	22	15	10	11	12	16	19	20	19
29	18	16	14	11	12	14	13	13	13	17	20	23	25	27	27	25	22	17	16	7	11	10	9	7	16
30	16	11	15	18	16	12	6	2	2	10	24	27	***	***	***	27	21	13	14	16	20	22	22	18	16
31	15	20	20	15	17	17	11	7	9	3	7	11	24	21	24	27	24	14	13	17	22	25	26	28	17
MEAN	11	12	12	12	13	12	10	9	10	12	15	17	19	18	18	16	13	10	9	9	11	11	11	10	12.4

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION																			
STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - FEB 78																			
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	28	26	25	23	21	20	18	13	17	22	26	28	29	31	34	33	31	24	23	21	20	20	12	12	23									
2	6	5	4	3	2	2	0	0	2	3	8	16	17	28	***	32	16	7	0	1	11	11	1	4	8									
3	15	18	11	6	5	2	1	0	4	7	11	19	23	25	26	24	17	2	0	0	0	1	3	5	9									
4	9	10	12	13	16	16	16	16	14	16	18	19	21	22	23	25	20	3	0	0	0	0	0	10	12									
5	0	0	0	0	0	12	16	18	22	27	28	28	26	24	24	16	5	1	6	8	9	9	10	10	18									
6	12	14	16	18	18	18	17	14	11	14	17	19	***	25	24	21	17	14	18	22	24	23	24	14	12									
7	24	25	25	26	26	23	18	15	17	23	24	25	26	26	24	17	14	15	18	15	12	14	14	14	20									
8	15	17	21	20	22	21	14	5	10	15	22	28	***	36	33	30	21	4	0	0	0	0	0	0	15									
9	13	15	21	24	21	18	4	0	3	11	22	26	27	29	32	30	22	9	4	0	0	9	6	4	15									
10	10	10	12	16	14	8	0	0	6	14	21	31	34	34	32	31	24	15	17	27	30	25	18	15	19									
11	11	11	19	23	24	22	20	18	20	23	24	29	35	31	33	30	29	27	25	21	19	28	32	29	24									
12	27	27	27	31	31	32	30	29	30	31	32	34	32	28	26	23	25	26	28	30	27	23	19	28	16									
13	28	20	21	24	22	18	11	11	6	8	7	***	33	32	32	29	24	12	4	0	0	6	12	8	16									
14	9	0	0	7	15	16	8	5	9	16	20	23	31	34	31	32	27	7	0	0	0	0	2	12	15									
15	7	4	3	4	2	1	0	0	4	11	37	37	39	39	40	40	37	32	21	3	0	0	6	2	15									
16	0	0	2	2	8	16	7	3	7	13	20	25	36	37	37	39	40	34	22	23	21	20	16	30	19									
17	28	30	32	31	24	14	5	4	10	24	26	30	***	37	33	31	25	14	10	5	5	5	3	5	19									
18	4	7	10	16	5	8	0	5	12	18	25	31	32	36	39	33	29	22	7	13	9	3	0	0	15									
19	2	0	10	14	12	16	13	20	23	25	28	32	35	35	35	32	29	17	6	4	6	0	0	0	15									
20	0	2	3	0	0	0	0	0	2	4	22	27	***	36	44	47	45	39	8	0	7	9	9	12	14									
21	26	35	35	36	37	31	21	5	6	19	33	45	50	53	53	50	40	29	14	5	16	14	12	18	28									
22	21	19	17	24	24	23	13	5	13	23	30	***	33	35	34	31	28	25	21	15	13	23	24	11	22									
23	13	16	15	13	10	6	11	5	4	15	20	31	***	46	40	39	36	40	29	25	28	31	26	25	23									
24	25	20	18	24	26	24	18	11	17	24	28	33	33	36	31	23	15	20	21	27	29	23	25	29	24									
25	29	29	30	27	33	31	29	27	27	25	26	26	21	12	19	25	21	12	6	0	0	9	11	7	20									
26	10	12	20	23	21	19	23	19	19	28	28	30	30	30	30	28	28	25	8	4	14	11	8	13	20									
27	8	7	8	20	21	15	5	7	11	20	30	***	33	32	32	31	25	18	0	0	7	25	31	26	18									
28	19	14	24	11	0	0	0	0	6	13	32	46	***	43	44	41	35	38	29	4	0	0	0	0	17									
MEAN	14	14	16	17	16	15	11	9	12	18	24	29	31	33	33	31	26	19	12	10	11	12	12	12	18.0									
PERCENTAGE OF DATA VALID - 98.5															PERCENTAGE OF DATA INVALID - 1.5										PERCENTAGE OF DATA UNAVAILABLE - 0.0									

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - MAR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	11	19	35	44	45	39	29	10	23	34	41	45	47	47	44	42	47	26	4	12	9	18	10	14	29		
2	15	17	14	22	24	15	6	4	9	14	25	30	35	37	36	33	32	23	14	7	2	2	0	0	17		
3	0	3	12	9	***	5	24	31	32	32	35	***	41	39	40	27	32	21	18	26	31	33	27	37	25		
4	38	39	32	37	41	36	34	27	28	28	30	31	33	35	34	33	31	28	21	12	3	9	18	20	28		
5	22	21	21	23	25	26	28	30	32	36	38	40	40	41	42	41	43	39	30	31	31	44	36	40	33		
6	42	38	36	21	20	11	2	0	17	28	36	36	***	41	44	47	51	47	13	0	0	7	18	9	25		
7	13	31	33	33	29	25	9	5	20	28	31	40	37	***	40	36	29	13	0	4	2	8	12	17	22		
8	15	14	20	16	14	16	5	5	8	11	27	43	41	41	43	43	42	39	38	3	0	0	0	0	20		
9	0	0	0	0	0	0	0	0	4	10	29	32	39	36	47	52	47	34	39	28	47	40	41	22	23		
10	8	3	2	28	4	24	7	5	20	28	35	***	46	54	60	78	79	72	54	2	0	9	0	2	27		
11	0	0	0	0	5	23	26	28	31	37	40	43	54	65	72	71	56	41	36	55	58	78	73	70	40		
12	70	62	43	56	62	72	72	66	64	58	56	53	53	52	51	44	43	41	35	4	0	0	0	0	44		
13	0	0	0	0	0	0	0	0	3	16	23	41	***	53	52	49	52	53	57	54	47	32	45	28			
14	55	48	40	46	55	54	48	48	34	42	28	38	28	20	19	40	37	39	40	42	34	30	31	35	39		
15	38	40	39	36	35	32	26	22	26	29	31	31	32	32	32	30	29	25	25	22	23	14	20	20	29		
16	21	23	25	25	25	22	12	9	9	15	26	34	34	34	34	34	34	34	34	36	36	37	38	39	28		
17	40	41	41	41	40	40	38	37	35	37	37	37	37	39	***	38	38	36	20	6	6	14	25	20	32		
18	21	20	25	29	26	26	22	21	29	31	34	38	39	38	40	39	44	50	47	42	39	32	25	29	33		
19	25	22	25	27	26	28	30	33	35	36	36	36	36	35	35	35	35	36	35	32	31	25	25	22	31		
20	16	17	22	19	13	11	3	2	15	32	31	32	34	35	35	36	38	38	39	38	40	39	31	27	27		
21	19	9	0	0	0	0	0	0	1	1	4	4	3	10	17	27	28	30	26	26	24	26	27	27	13		
22	31	34	37	38	40	35	32	25	28	28	31	32	***	37	35	30	20	13	10	9	9	2	3	9	25		
23	18	23	34	35	34	14	10	14	31	33	36	38	43	43	44	42	37	31	14	4	1	1	12	31	26		
24	37	36	36	35	34	33	33	32	33	34	34	35	37	38	38	38	36	27	24	19	18	17	14	10	30		
25	12	13	13	13	7	19	40	39	39	40	40	39	42	42	43	43	42	42	42	41	41	41	41	40	34		
26	39	37	37	34	37	35	32	31	30	29	30	30	32	32	32	32	33	31	26	30	32	35	35	35	33		
27	38	37	34	32	30	16	11	8	8	10	13	18	22	29	34	35	29	25	24	32	15	19	15	32	31		
28	37	38	36	35	23	17	9	12	14	16	17	17	23	25	21	15	8	6	3	3	3	5	1	3	16		
29	1	15	29	34	34	29	22	20	28	32	32	33	33	31	32	33	32	30	25	20	14	13	11	16	25		
30	28	29	33	30	31	32	26	24	29	28	27	31	41	45	45	42	40	36	27	20	15	11	13	20	29		
31	25	24	16	9	5	2	2	2	12	25	28	27	30	35	34	37	38	48	54	55	52	47	36	29	28		
MEAN	23	24	25	26	25	24	20	19	24	28	31	34	36	38	39	39	38	34	28	23	22	23	22	23	27.8		

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE													MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	33	21	3	0	1	0	2	45	47	44	46	43	44	42	36	33	32	36	36	39	37	36	36	30		
2	39	37	37	38	39	40	41	42	42	42	42	42	42	37	39	45	47	47	47	41	18	1	0	0	35	
3	0	2	22	36	44	43	40	39	39	40	41	40	****	39	38	34	32	34	32	34	26	27	25	21	32	
4	27	24	18	15	19	21	12	10	10	14	16	16	22	20	17	15	15	11	2	0	0	6	10	16	14	
5	22	26	26	30	33	32	25	22	29	31	29	32	32	32	34	31	29	26	21	6	0	0	0	0	23	
6	0	0	0	0	0	0	1	5	14	24	31	33	37	38	38	37	37	37	38	37	38	37	36	32	23	
7	27	18	6	4	8	15	16	16	19	23	22	20	29	34	35	25	24	23	23	19	26	30	29	24	21	
8	24	22	21	22	24	25	25	22	20	22	23	24	26	27	28	29	28	28	26	23	21	19	17	3	23	
9	3	3	6	9	17	19	22	30	34	35	34	32	33	35	38	39	43	43	42	17	2	22	29	***	26	
10	31	34	36	37	38	39	39	39	37	35	35	32	34	36	39	39	38	38	37	39	39	37	27	35	36	
11	35	35	34	30	20	28	25	29	29	15	17	8	6	12	19	25	29	27	22	9	6	10	26	30	22	
12	29	31	32	32	30	28	22	20	25	27	29	31	37	41	41	37	33	38	35	29	38	37	39	23	32	
13	17	20	24	24	22	18	21	25	28	29	28	27	28	27	26	23	21	21	26	20	20	23	22	21	23	
14	24	23	22	28	30	31	24	29	30	32	33	32	37	35	35	32	28	28	27	18	14	17	25	21	27	
15	17	17	15	16	13	21	19	27	29	29	28	28	28	28	26	26	27	24	6	3	4	14	17	20	20	
16	9	11	12	15	15	17	20	23	27	28	35	31	27	29	28	32	35	28	25	26	17	19	20	20	23	
17	24	24	25	24	22	13	5	22	19	17	23	29	-	41	44	45	45	41	41	21	4	0	0	1	23	
18	5	5	8	5	4	0	0	10	20	27	30	36	34	35	42	41	40	39	42	40	40	42	39	35	26	
19	34	34	35	39	41	41	39	37	36	36	35	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
20	- DATA INVALID -																									
21	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
22	21	20	20	24	25	24	19	25	28	29	31	32	38	39	42	44	45	45	43	28	21	16	8	10	18	***
23	1	0	0	0	0	1	5	25	24	26	31	32	34	38	38	39	40	42	41	18	1	0	0	0	18	
24	0	0	1	5	11	7	5	6	8	26	27	30	37	45	44	43	40	34	40	27	13	2	7	12	20	
25	12	11	12	13	12	10	7	8	14	22	33	38	41	45	55	53	51	49	48	45	48	36	23	15	29	
26	0	0	0	0	0	0	6	23	35	38	38	40	45	49	54	56	58	59	61	26	3	1	5	2	25	
27	14	20	17	22	25	27	24	19	17	27	36	38	46	49	50	53	55	52	50	15	11	10	22	33	31	
28	35	37	36	34	32	30	28	27	30	37	41	44	46	46	45	43	42	37	26	5	0	0	0	0	29	
29	1	5	10	20	26	26	29	31	33	36	40	44	44	43	42	41	38	38	35	29	26	24	25	26	30	
30	24	16	25	25	19	18	26	30	32	32	34	35	40	40	41	41	41	41	38	30	13	16	21	21	29	
MEAN	18	18	18	20	20	21	20	25	27	29	32	32	35	36	38	37	37	36	34	24	18	17	19	17	26.0	

PERCENTAGE OF DATA VALID - 92.9

PERCENTAGE OF DATA INVALID - 6.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
	STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - MAY 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	27	26	29	25	25	19	15	18	21	30	28	29	30	30	31	32	30	30	32	31	31	24	25	25	27	
2	28	26	18	1	4	3	15	26	29	32	34	37	43	41	40	45	48	47	44	18	13	13	19	29	27	
3	36	32	30	23	20	15	9	17	24	25	36	40	43	44	49	50	48	39	38	30	20	3	1	3	28	
4	15	9	33	37	37	38	37	36	35	34	37	39	42	42	42	44	44	44	44	47	48	45	43	31	38	
5	30	33	35	39	40	40	43	42	39	36	36	36	40	42	42	41	41	40	41	41	40	38	36	33	39	
6	31	25	19	13	17	19	27	29	28	26	26	26	28	28	27	17	16	4	6	1	0	0	0	0	17	
7	1	14	20	26	29	26	21	29	32	35	47	48	56	54	52	60	57	56	60	54	53	50	48	47	41	
8	55	48	37	31	32	34	30	30	30	32	34	39	43	45	35	37	36	39	34	31	30	24	21	35	35	
9	16	15	14	12	15	15	12	16	24	44	43	42	46	42	41	37	36	37	40	31	27	27	28	30	29	
10	32	31	30	28	28	18	16	24	32	27	24	23	22	25	27	30	30	32	30	26	10	3	3	0	23	
11	0	0	0	0	0	0	13	24	35	34	29	31	39	42	43	41	46	49	40	25	27	22	6	51	25	
12	22	43	37	35	47	31	0	23	37	***	36	38	37	29	26	41	39	41	43	46	47	13	9	17	32	
13	22	29	35	36	34	38	38	41	46	47	48	47	34	36	43	44	23	7	11	35	38	40	32	21	34	
14	51	54	54	45	45	42	43	44	47	49	49	50	49	48	49	50	49	48	51	53	55	55	57	59	50	
15	55	54	55	53	50	49	47	43	42	39	38	35	***	40	46	49	47	47	44	34	39	42	41	41	45	
16	38	38	38	36	35	34	32	30	32	32	32	30	28	36	41	45	48	44	37	10	0	0	15	34	31	
17	36	36	35	33	29	20	4	16	28	30	26	30	***	30	39	42	44	43	38	36	33	14	29	18	30	
18	18	0	13	18	4	2	2	4	9	17	25	35	37	51	55	39	30	17	12	6	0	0	0	8	17	
19	6	0	0	0	0	0	3	11	17	31	***	56	54	51	41	42	44	44	37	15	0	0	0	9	20	
20	14	12	12	21	18	15	19	30	51	68	75	73	73	68	65	67	60	45	42	35	34	27	29	16	40	
21	34	48	24	21	22	22	26	33	32	33	36	39	41	49	53	56	51	50	49	41	17	15	0	0	33	
22	0	2	3	2	6	14	31	38	32	36	35	41	47	50	50	57	52	51	49	36	11	0	0	0	27	
23	0	2	3	***	1	1	3	16	31	41	36	***	52	52	61	70	68	69	61	60	55	8	0	0	32	
24	0	49	54	43	25	1	38	28	28	58	64	59	74	94	94	96	91	86	72	59	25	0	0	0	47	
25	0	2	32	34	12	8	8	23	51	62	60	61	74	90	94	93	97	97	88	38	4	0	3	0	43	
26	0	3	1	0	6	3	8	17	43	61	63	68	***	84	79	73	76	88	115	87	37	0	0	0	40	
27	21	0	10	0	23	24	28	34	55	45	60	80	95	94	108	116	120	135	113	86	35	23	21	8	56	
28	0	0	90	82	89	21	32	82	88	89	88	84	80	74	71	69	77	77	71	55	14	0	0	0	56	
29	0	0	0	15	44	36	0	24	58	58	68	68	***	74	75	69	68	67	60	61	63	30	5	5	0	38
30	1	7	8	3	41	27	9	23	53	60	57	57	56	59	77	79	71	76	65	63	60	62	42	69	47	
31	54	11	11	20	18	14	13	18	25	38	42	44	***	56	50	44	37	36	36	36	29	33	28	26	31	
MEAN	21	21	25	24	26	20	20	28	37	42	44	45	49	52	53	54	52	51	49	40	28	19	18	19	34.7	





ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10	1	6	11	12	9	5	7	7	9	14	18	36	40	47	49	40	44	43	38	26	6	2	1	0	0
11	0	0	2	0	0	0	0	1	13	20	22	28	34	43	56	58	42	32	31	26	8	0	0	0	17
12	0	0	0	1	1	4	6																		0
13																									0
14	5	8	14	18	14	9	5	6	14	19	30	31	71	93	111	102	95	90	72	54	21	0	0	0	39
15	0	0	0	0	0	0	9	17	21	24	29	37	45	49	48	37	29	20	10	13	13	10	2	0	17
16	0	0	0	0	0																				0
17	19	20	17	16	9	5	2	2	3	3															21
18	0	0	0	0	0	0	0	1	11	20	35	45	56	73	90	89	75	64	50	32	19	24	9	0	29
19	0	0	9	17	11	17	14	29	30	31	39	50	63	72	75	69	45	28	30	20	17	18	15	14	30
20	13	12	12	11	11	9	9	12	15	16	23	30	30	35	37	39	41	40	32	10	0	0	0	0	18
21	2	4	7	5	3	1	2	3	5	14	25	27	50	51	55	69	66	57	48	33	1	0	0	0	22
22	0	0	0	0	0	0	1	4	18	47	56	74	92	92	103	111	113	115	103	39	8	2	14	19	42
23	25	30	37	34	43	39	19	26	45	59	76	87	126	131	142	134	127	117	76	63	63	49	51	53	69
24	58	60	66	68	60	44	25	17	14	21	25	25	18	15	17	17	17	4	3	4	4	2	1	25	13
25	1	0	0	0	1	1	0	0	0	0	1	11	23	27	39	37	27	30	40	43	14	0	1	24	13
26	0	0	2	1	0	0	1	4	10	19	48	43	42	38	43	61	70	74	74	30	4	0	3	2	24
27	1	1	1	1	8	15	17	18	19	20	22	21	21	24	24	25	26	27	27	22	24	28	26	16	11
28	26	23	21	19	21	11	8	7	19	26	26	35	40	44	47	52	38	31	39	30	20	14	24	27	16
29	23	17	18	24	13	7	10	14	20	26	35	27	25	24	25	20	21	13	3	0	0	0	0	0	17
30	0	0	4	0	0	0	0	0	1	1	5	14	32	41	45	42	32	14	1	1	4	14	6	11	11
31	6	4	1	4	5	3	1	1	1	8	20	32	36	44	49	51	46	42	38	9	0	0	0	0	14
MEAN	9	9	11	11	10	9	7	10	15	21	28	36	48	51	56	55	50	47	38	24	12	8	8	9	24.2

PERCENTAGE OF DATA VALID - 67.7      PERCENTAGE OF DATA INVALID - 32.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*.\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - OZONE-CHEMILUMINESCENT											UNITS - PARTS/BILLION													
	STATION - C NO 4401D 1298 REBECCA ST OAKVILLE											MONTH - SEP 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	1	1	0	1	3	9	18	----	40	45	51	58	64	77	79	79	70	31	1	0	0	
2	0	0	0	0	0	0	0	12	30	40	43	55	73	82	89	84	86	82	78	54	29	56	64	65	4
3	59	73	67	56	49	43	42	35	41	53	63	70	75	63	60	49	56	29	14	11	15	12	8	9	4
4	11	9	8	8	7	8	5	11	13	20	21	28	36	39	42	37	32	25	6	2	2	2	2	0	1
5	2	1	5	9	2	1	2	6	18	20	20	----	32	44	----	59	60	58	66	68	54	43	15	11	2
6	49	61	47	46	52	47	13	18	32	54	70	72	63	56	57	54	45	83	99	101	93	79	52	55	5
7	55	47	41	25	31	26	11	0	5	8	9	----	22	26	33	28	27	26	24	22	22	23	23	22	2
8	21	21	16	20	26	23	25	27	26	23	25	22	24	22	22	18	13	0	0	0	0	0	0	1	1
9	0	0	0	0	2	7	5	6	10	18	27	32	33	31	29	30	28	33	31	30	34	29	28	28	2
10	23	26	26	23	17	11	11	16	18	20	24	21	17	27	33	32	31	29	33	29	0	0	0	0	10
11	0	0	0	0	0	0	6	10	22	30	47	55	----	83	84	74	51	50	40	50	35	49	49	39	3
12	33	19	25	29	24	9	4	0	0	0	0	8	16	22	25	25	27	24	23	23	23	20	21	16	3
13	21	22	21	21	21	20	19	18	21	23	23	21	23	26	29	30	30	31	32	32	30	29	27	23	2
14	22	19	15	16	16	16	14	15	17	17	26	36	27	35	43	38	34	33	28	31	27	13	10	9	2
15	10	5	19	24	21	10	0	8	17	19	19	20	24	26	23	21	23	21	43	28	31	35	30	30	2
16	31	19	21	17	13	10	1	9	14	17	20	21	19	24	24	22	22	17	8	4	2	0	0	0	14
17	0	0	0	0	0	0	0	0	0	0	7	17	21	25	23	24	23	22	20	15	22	18	13	13	18
18	20	20	21	21	18	20	21	21	21	20	----	----	22	22	20	20	22	22	23	24	14	0	0	0	12
19	7	13	14	14	10	7	0	3	5	7	16	18	31	30	36	37	32	25	16	2	0	20	0	0	15
20	0	0	0	0	0	0	0	0	6	26	27	31	----	40	39	39	37	32	25	16	2	0	20	0	15
21	0	0	0	0	3	9	2	5	13	19	26	34	27	18	13	16	14	11	11	7	8	10	8	10	11
22	10	11	11	12	8	2	0	3	2	5	17	----	30	30	24	26	28	30	6	2	2	2	2	2	11
23	2	2	3	3	3	3	3	5	7	10	16	27	38	40	42	46	41	42	51	47	35	3	3	3	20
24	2	3	3	3	3	3	4	8	14	23	25	38	50	51	51	52	51	46	25	7	4	12	31	28	12
25	29	33	26	20	16	4	5	7	14	19	20	21	----	16	16	13	11	6	2	2	5	0	0	0	14
26	0	0	0	0	0	0	0	0	0	3	14	22	27	----	32	36	35	36	30	19	22	20	17	10	3
27	0	11	16	17	12	6	3	14	26	36	42	44	50	55	56	49	45	36	17	12	12	12	13	25	12
28	16	15	13	10	8	3	2	3	7	10	12	12	16	16	17	19	17	11	0	0	0	0	0	0	9
29	0	0	0	0	0	0	0	0	0	5	10	12	----	28	30	35	38	31	29	27	28	21	11	0	13
30	0	0	0	0	0	0	0	0	0	12	23	27	27	37	40	43	56	44	39	-	-	-	-	-	18
MEAN	14	14	14	13	12	10	7	8	13	20	25	31	33	36	38	38	37	34	30	27	20	17	15	14	21

PERCENTAGE OF DATA VALID - 97.6      PERCENTAGE OF DATA INVALID - 1.7      PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     " " INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
4	1	1	1	1	1	1	1	1	1	1	8	7	13	****	20	20	20	10	10	0	0	0	0	0	6
5	0	0	2	0	0	0	0	0	10	12	18	17	17	16	18	34	34	28	27	18	24	27	20	25	14
6	25	21	25	21	14	9	15	5	12	14	****	8	15	16	16	19	12	7	1	5	4	6	7	9	12
7	13	14	14	12	10	7	10	13	19	22	19	21	21	21	21	23	18	15	6	5	15	2	2	2	14
8	2	15	29	27	25	15	5	11	16	19	19	19	21	21	22	17	13	5	2	0	0	0	0	0	13
9	0	0	3	2	1	1	1	3	6	13	20	25	28	28	28	30	27	31	28	21	10	12	17	18	15
10	20	20	19	15	13	4	2	5	8	16	22	31	****	47	43	45	32	24	7	4	0	0	0	0	16
11	0	0	0	0	0	0	0	0	0	13	21	19	****	26	36	45	35	24	14	0	0	21	35	25	14
12	31	27	25	25	15	13	10	15	22	20	21	26	31	35	32	30	16	19	15	19	4	4	2	6	19
13	7	11	7	4	4	0	0	1	3	7	13	15	17	****	****	****	****	****	****	****	****	****	****	****	****
14																									
15																									
16	0	0	0	0	0	0	0	0	0	11	21	28	31	30	31	36	38	35	39	32	13	2	9	7	15
17	0	0	0	0	0	0	0	0	0	11	21	28	31	30	31	36	38	35	39	32	13	2	9	7	15
18	6	3	3	2	3	3	2	1	3	3	7	10	15	11	9	6	4	3	1	1	1	1	1	1	4
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	31	25	10	4	4	18	15	4	8	16	12	15	20	24	26	22	22	7	10	2	10	5	3	5	13
21	6	8	10	8	10	5	3	11	11	****	26	35	36	40	46	48	47	48	48	50	42	39	38	36	28
22	31	24	30	28	26	26	0	11	12	30	36	45	50	51	53	54	56	0	44	40	0	0	0	0	27
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	23	11	0	2	2	
24	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	4	21	16	0	0	3	3	6	10	13	18	22	26	27	25	23	11	15	25	26	23	22	20	15
26	21	14	15	15	18	12	5	5	5	4	5	5	12	13	12	7	9	10	6	4	3	4	4	5	9
27	7	9	16	16	11	9	5	5	9	13	14	17	****	20	20	23	12	7	6	6	7	9	6	5	11
28	7	6	5	4	3	2	2	2	6	12	20	21	24	24	23	21	19	12	6	4	5	7	9	5	10
29	4	6	6	13	13	13	10	9	10	11	14	15	16	17	19	19	18	18	11	11	0	18	17	18	13
30	19	15	13	14	9	4	0	0	0	10	14	14	18	18	21	19	10	3	0	0	0	0	0	11	9
31	14	15	8	8	6	3	2	5	7	14	15	18	24	17	26	28	15	3	5	9	10	6	4	4	11
MEAN	10	9	10	9	7	6	4	4	7	12	15	17	19	20	21	22	18	12	12	10	7	8	8	8	11.4

PERCENTAGE OF DATA VALID - 84.7

PERCENTAGE OF DATA INVALID - 10.5

PERCENTAGE OF DATA UNAVAILABLE - 4.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	9	5	9	12	5	2	1	1	15	18	21	27	27	25	23	22	5	0	0	0	0	0	0	10
2	2	1	1	7	11	6	3	3	5	9	15	18	23	26	28	23	15	0	0	0	0	0	0	0	8
3	0	0	0	0	0	0	0	0	0	5	10	11	18	20	17	14	21	24	0	0	0	0	0	0	6
4	0	0	0	0	0	0	0	0	0	6	14	22	24	32	43	37	34	17	0	0	0	4	4	0	10
5	0	0	0	0	0	0	0	0	0	3	6	9	14	14	23	24	29	23	16	15	19	19	19	16	10
6	14	11	14	12	9	7	4	0	0	0	0	0	0	9	5	13	8	14	10	17	18	12	12	8	8
7	8	17	2	14	9	7	4	4	6	10	15	19	19	19	20	17	8	0	0	0	2	0	0	0	8
8	0	0	0	0	0	0	0	0	0	0	4	9	14	13	11	15	11	14	8	4	6	7	8	2	5
9	9	9	13	12	9	8	9	9	8	12	17	19	21	19	21	16	3	3	0	0	0	0	0	0	9
10	0	0	0	0	0	0	0	0	0	0	5	8	****	9	8	6	4	6	4	5	4	2	2	3	3
11	3	1	1	4	0	0	0	0	0	4	8	15	20	17	21	15	12	10	8	5	4	6	5	6	7
12	8	6	10	14	14	15	14	14	18	17	17	16	16	17	19	18	21	20	23	24	26	26	7	8	16
13	9	18	22	18	16	24	23	21	8	14	13	11	11	7	6	4	2	3	1	1	1	7	4	0	10
14	12	9	5	12	9	15	19	11	4	6	11	11	16	****	14	12	10	9	8	12	11	9	16	18	11
15	21	19	17	17	19	16	8	6	7	12	19	20	22	21	18	20	8	0	0	0	0	0	0	0	11
16	0	0	0	0	0	0	0	0	2	12	19	18	29	29	28	30	30	26	25	27	28	27	30	22	16
17	23	23	25	20	19	18	16	14	13	12	10	7	12	12	14	13	17	17	15	16	16	5	9	5	15
18	3	2	6	8	7	9	15	20	23	21	23	21	24	21	19	16	16	10	10	8	6	11	4	2	13
19	4	8	16	16	9	8	9	8	22	27	26	26	27	24	22	20	15	10	4	0	0	0	3	0	13
20	0	17	24	20	19	21	15	8	6	6	10	8	12	4	****	5	3	1	3	1	0	0	2	8	8
21	11	11	10	15	29	6	3	5	4	2	3	6	7	14	20	19	13	19	22	25	25	23	23	20	14
22	23	23	23	24	27	25	25	26	25	25	25	23	****	25	27	26	26	23	25	22	19	14	9	4	22
23	3	4	4	6	4	5	7	8	5	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	3
24	0	0	0	4	6	0	0	0	0	0	2	4	7	****	3	3	3	1	2	2	17	18	19	5	3
25	23	21	23	24	24	20	18	18	17	12	8	12	12	15	13	10	12	10	12	15	6	8	7	9	15
26	9	7	6	8	13	11	11	12	14	17	17	15	11	14	6	7	11	12	0	0	0	21	24	10	10
27	25	23	23	22	20	23	25	26	26	25	21	18	****	15	15	15	13	12	11	3	0	3	5	9	16
28	11	13	11	8	5	0	0	0	6	7	7	8	14	8	4	5	12	10	8	11	5	6	4	7	17
29	3	4	3	2	4	4	7	3	2	6	14	13	****	16	13	10	6	0	0	0	3	2	2	5	10
30	4	6	8	4	5	7	15	14	11	15	19	22	****	23	23	21	17	5	8	3	3	3	0	0	10
MEAN	8	9	9	10	10	9	8	8	8	10	13	14	16	17	17	15	13	10	8	7	7	7	7	6	10.2

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	6	8	5	7	12	9	3	2	2	2	4	6	2	6	5	0	0	0	0	0	0	0	0	3
2	10	17	23	20	24	20	13	11	8	16	23	25	26	24	23	21	9	7	9	4	0	0	0	0	14
3	26	27	28	27	27	26	25	25	25	22	19	21	18	18	16	13	7	4	1	1	1	1	1	1	16
4	4	4	3	13	9	9	6	3	3	8	10	13	10	13	11	11	11	9	10	14	8	7	6	10	9
5	16	14	12	5	9	7	4	2	4	7	12	15	16	11	10	5	3	3	3	0	7	8	5	7	8
6	6	6	6	4	2	0	0	0	0	6	9	10	12	11	10	9	4	0	0	0	0	0	0	0	4
7	2	6	7	12	5	3	1	1	1	12	19	20	22	23	17	15	14	9	4	0	0	0	0	0	8
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3	4	0	0	7	1
9	7	2	3	8	13	15	7	5	8	16	19	19	19	18	19	17	16	13	11	13	16	19	19	19	13
10	18	17	18	18	19	18	17	15	14	18	18	21	21	21	21	19	15	14	11	10	4	7	6	3	15
11	4	5	4	7	5	4	4	0	3	6	7	11	12	11	10	6	1	0	0	0	0	1	3	3	4
12	1	1	0	0	1	7	7	3	3	7	12	14	14	14	14	12	5	6	9	2	4	2	3	6	6
13	3	1	6	9	13	14	9	10	12	10	12	9	11	10	13	18	14	13	11	12	15	19	21	23	12
14	26	26	27	27	27	25	20	8	13	11	18	20	20	12	12	11	8	4	4	6	10	10	8	12	15
15	12	9	8	9	7	9	8	4	3	6	9	12	12	14	13	11	5	2	2	2	1	0	0	1	7
16	1	1	0	1	1	0	0	0	0	2	3	4	8	8	9	10	10	3	1	3	1	0	2	4	3
17	4	4	1	10	24	24	26	28	27	25	24	24	25	25	25	25	22	22	20	19	21	19	19	21	20
18	14	16	19	20	21	16	7	1	4	7	14	18	15	13	13	10	7	8	14	6	7	4	8	12	
19	11	13	11	8	13	17	13	8	4	6	10	14	21	22	21	17	14	6	0	0	0	2	6	3	10
20	0	0	0	10	23	20	25	25	23	20	19	18	15	15	13	12	14	12	9	8	5	3	1	0	12
21	0	0	0	0	1	2	6	11	17	21	22	21	22	23	24	23	21	15	9	10	12	6	9	8	12
22	13	13	10	6	5	12	11	7	5	5	7	8	8	8	9	7	6	4	5	5	4	5	8	16	8
23	20	22	19	13	14	14	13	12	10	10	11	13	19	20	20	17	11	3	0	0	0	0	0	0	11
24	0	0	1	2	1	7	18	20	20	18	17	17	17	16	16	15	14	12	12	12	11	10	12	12	12
25	10	9	9	12	15	16	14	8	11	12	10	12	18	20	20	21	22	22	22	22	23	22	22	20	16
26	21	23	24	25	24	20	13	9	6	8	13	17	19	19	17	19	20	14	16	16	15	15	15	17	17
27	12	11	16	20	23	22	22	17	12	10	13	13	21	20	21	21	17	13	14	16	18	18	19	16	17
28	15	15	13	14	15	18	17	7	1	2	6	6	6	17	17	17	13	1	0	0	0	0	0	0	9
29	0	0	3	6	7	6	3	2	1	2	6	6	6	1	21	24	25	25	22	21	24	24	20	16	19
30	16	11	9	11	10	11	13	13	16	18	18	13	8	3	1	0	0	0	0	0	0	0	0	0	8
31	0	0	0	0	0	0	0	0	0	1	2	3	2	3	3	1	1	0	0	0	0	0	0	0	1
MEAN	9	9	9	10	12	12	11	9	8	10	12	14	15	15	13	11	11	8	7	7	7	6	7	8	10.1

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - OZONE-CHEMILUMINESCENT

## UNITS - PARTS/BILLION

## STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	12.4	22	30
FEB	28	18.0	28	53
MAR	31	27.8	44	79
APR	27	26.0	38	61
MAY	31	34.7	56	135
JUN	27	29.5	65	135
JUL	13	21.8	38	106
AUG	21	24.2	69	142
SEP	30	21.6	58	101
OCT	25	11.4	28	56
NOV	30	10.2	22	43
DEC	31	10.1	20	28
YEAR	325	20.5	69	142

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	307	250	174	0	0	0	0	0	731
FEB	201	164	190	105	2	0	0	0	662
MAR	127	98	142	324	45	0	0	0	736
APR	108	96	192	262	11	0	0	0	669
MAY	119	73	122	280	110	25	6	0	735
JUN	128	122	120	183	77	12	8	0	650
JUL	110	67	78	50	15	9	1	0	330
AUG	195	85	75	82	45	9	13	0	504
SEP	237	135	160	105	55	10	1	0	703
OCT	356	147	80	43	4	0	0	0	630
NOV	398	201	109	4	0	0	0	0	712
DEC	398	248	94	0	0	0	0	0	740
YEAR	2684	1686	1536	1438	364	65	29	0	7802

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

## CONCENTRATIONS

FREQUENCY DISTRIBUTION.

PERCENT

95

98

99

MAX

ARITH  
MEAN

89.1

0

0.0

7.7

17.3

26.5

42.0

52.9

71.0

85.4

142

20.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 45125 NATURAL RESOURCES BLDG. ORONO

MONTH - JAN 78

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	29	29	29	28	29	29	29	29	29	28	28	27	25	22	26	27	27	28	29	30	29	27	27	27	28	
2	28	28	29	29	29	28	29	29	30	29	28	28	30	29	29	25	19	13	7	9	13	12	13	13	23	
3	13	14	16	16	15	15	13	9	9	15	24	31	29	29	27	26	20	13	10	8	14	16	21	17		
4	23	24	19	9	8	16	12	7	5	7	22	24	19	16	11	12	4	0	0	0	0	3	4	10	11	
5	18	19	21	22	22	22	21	7	10	19	23	17	50	***	27	25	24	16	10	16	22	22	21	3	20	
6	24	21	21	25	25	25	25	26	25	26	27	28	27	27	27	29	28	29	30	29	29	29	27	23	26	
7	23	23	23	23	24	24	22	22	22	19	19	17	16	17	17	16	14	12	10	9	7	4	2	3	16	
8	4	4	4	5	7	9	12	16	18	18	18	17	16	16	15	14	11	6	4	3	0	0	0	0	9	
9	5	10	16	21	23	24	25	26	26	26	26	26	26	26	25	25	25	23	23	24	25	25	25	25	23	
10	25	25	26	26	26	26	26	26	26	26	26	26	27	30	30	30	30	30	30	30	30	31	30	29	28	
11	29	29	30	30	27	28	26	26	15	16	19	25	27	24	26	29	28	25	24	26	27	27	8	2	24	
12	6	9	10	11	14	22	26	25	25	27	28	28	30	30	29	25	24	17	16	14	16	20	25	25	21	
13	25	25	25	23	21	21	21	21	18	17	20	21	23	24	25	24	24	25	25	25	26	27	26	27	23	
14	27	28	28	27	28	28	28	28	28	27	25	26	27	28	28	27	26	26	27	27	27	27	26	26	27	
15	27	28	27	27	26	26	26	26	26	26	26	26	28	28	28	27	26	24	23	21	20	22	23	24	25	
16	23	24	24	12	18	19	22	23	23	22	22	24	28	30	30	30	26	23	15	9	1	4	8	10	12	19
17	7	8	8	19	21	24	21	22	22	24	26	27	27	26	26	25	28	29	29	28	29	29	29	29	23	
18	27	25	25	26	27	28	26	26	27	13	13	15	30	32	32	34	35	29	28	28	28	24	20	15	25	
19	15	19	25	26	24	22	15	11	8	12	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
20	- DATA INVALID -																									
21	- DATA INVALID -																									
22	- DATA INVALID -																									
23	- DATA INVALID -																									
24	- DATA INVALID -																									
25	- DATA INVALID -																									
26	- DATA INVALID -																									
27	- DATA INVALID -																									
28	- DATA INVALID -																									
29	- DATA INVALID -																									
30	***	***	***	***	***	***	***	***	***	***	***	***	***	***	34	34	34	34	31	29	26	26	27	28	24	*****
31	25	21	15	10	11	11	11	11	12	14	14	18	23	23	27	30	27	21	17	8	6	1	13	24	16	
MEAN	20	21	21	21	21	22	22	21	20	20	22	23	27	26	26	26	24	21	19	18	19	19	19	18	21.5	

PERCENTAGE OF DATA VALID - 63.8

PERCENTAGE OF DATA INVALID - 36.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT		UNITS - PARTS/BILLION																							
STATION - C NO 45125		NATURAL RESOURCES BLDG. ORONO												MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	24	26	26	26	27	25	23	18	20	27	29	29	31	34	35	36	31	27	18	7	1	4	4	23
2	13	17	20	21	21	24	26	25	24	25	26	27	29	30	31	31	29	27	24	24	26	27	28	27	25
3	25	24	20	17	19	18	16	14	6	14	22	32	32	33	34	35	35	31	10	8	12	25	23	23	22
4	26	25	23	24	23	18	15	17	20	25	28	32	32	33	34	35	37	25	18	13	15	19	26	28	25
5	29	28	28	28	29	27	27	27	27	27	27	28	28	31	32	34	33	31	30	30	30	30	30	32	29
6	30	29	29	29	29	29	28	27	27	27	27	28	29	32	33	35	36	36	35	36	35	34	33	34	32
7	32	31	31	32	32	32	31	31	29	24	27	32	35	34	34	35	33	31	31	31	34	32	30	29	31
8	30	29	29	30	31	31	31	32	28	30	31	33	38	38	33	38	38	32	27	27	32	32	30	29	32
9	28	29	31	32	32	31	31	30	30	30	32	39	40	41	41	41	41	40	38	36	34	34	31	30	34
10	20	17	22	24	27	28	21	15	18	21	30	35	40	39	39	40	34	27	22	9	2	1	0	4	22
11	25	27	23	21	32	32	33	27	25	29	33	34	36	37	38	39	39	38	36	36	34	31	30	29	32
12	27	25	26	28	30	33	32	31	32	32	34	34	35	35	36	35	35	33	31	32	32	32	32	32	32
13	31	30	31	30	29	26	27	27	29	31	34	38	42	42	42	40	39	37	29	21	15	29	30	29	32
14	29	30	29	28	28	27	26	26	29	29	32	34	35	36	36	35	34	25	16	19	22	24	23	28	28
15	24	23	23	25	12	14	7	1	6	22	35	29	29	37	43	44	43	41	36	26	35	34	31	24	27
16	11	5	0	0	0	0	2	0	2	4	17	17	27	28	28	29	25	34	32	25	8	9	15	20	14
17	31	34	35	31	31	34	31	29	22	18	17	31	36	38	40	42	43	43	36	16	5	13	8	6	28
18	17	18	19	11	1	0	0	0	0	9	14	18	30	35	30	34	41	46	41	38	35	34	32	29	26
19	26	19	10	4	10	21	16	19	21	27	30	34	36	37	38	40	40	40	34	7	9	19	16	19	24
20	24	26	23	22	27	30	25	18	20	29	31	37	48	50	39	27	29	40	27	20	15	28	24	26	29
21	26	34	34	39	37	38	41	43	42	41	43	44	46	47	49	53	50	54	48	48	38	41	36	35	42
22	32	29	28	30	30	29	31	31	30	31	31	34	36	37	37	38	38	37	37	35	34	34	34	34	33
23	36	36	35	35	29	28	20	22	24	32	36	35	35	39	40	42	49	48	42	37	40	40	37	37	36
24	37	30	31	21	21	20	19	16	24	30	32	36	40	40	41	42	43	42	37	16	4	4	4	3	26
25	2	1	1	0	5	25	25	30	30	30	31	32	34	34	34	33	35	31	25	21	25	32	30	29	24
26	29	29	28	29	27	26	27	27	29	30	31	33	35	36	36	37	39	38	37	34	34	34	34	33	32
27	34	34	31	30	27	24	21	23	28	30	32	36	38	41	42	42	43	42	40	26	22	33	33	30	33
28	29	27	29	28	28	28	27	26	28	37	41	43	41	44	47	52	45	38	26	7	0	1	3	4	28
MEAN	26	25	25	24	24	25	24	23	23	26	30	33	36	37	37	38	38	37	31	25	23	25	24	24	28.5

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT		UNITS - PARTS/BILLION																							
STATION - C NO 45125		NATURAL RESOURCES BLDG. ORONO												MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	10	17	27	26	30	32	40	36	32	35	38	44	52	56	54	53	51	48	44	40	39	39	38	37
2	37	37	35	35	36	36	36	36	35	36	39	41	44	45	47	47	46	45	41	24	29	32	35	28	38
3	30	32	34	39	40	40	39	37	35	34	34	35	38	40	41	45	45	41	40	31	25	30	35	40	37
4	42	43	41	43	41	41	39	36	30	28	30	32	37	38	39	39	38	37	36	34	33	31	28	27	36
5	24	25	25	19	22	25	29	29	29	33	35	37	40	41	42	43	43	42	43	44	44	45	47	50	36
6	51	48	42	37	39	37	38	35	36	43	45	51	52	54	56	56	50	46	47	48	48	47	46	46	46
7	47	47	46	44	43	43	41	38	38	39	41	44	45	47	48	48	48	45	40	40	40	39	38	43	43
8	36	37	38	36	36	35	33	32	32	35	37	38	38	40	43	44	40	37	27	8	4	14	13	14	31
9	21	24	30	37	40	41	24	11	32	29	35	36	37	44	47	38	40	44	47	51	48	45	35	21	36
10	16	7	5	0	0	3	13	32	40	55	65	72	82	80	78	76	77	75	64	50	58	53	35	43	45
11	59	52	44	35	40	41	26	27	31	35	42	52	60	60	64	62	54	68	66	60	48	60	56	59	50
12	50	55	49	40	45	38	31	24	31	45	66	64	66	64	61	59	61	52	46	44	41	39	38	37	48
13	37	37	30	23	18	17	11	8	23	28	28	30	41	40	45	56	65	66	69	68	66	66	65	63	42
14	66	68	72	66	62	60	55	56	57	57	52	50	46	43	37	27	30	41	43	45	48	50	48	44	51
15	43	43	42	41	40	40	39	40	39	37	38	39	39	41	42	43	42	43	41	39	39	38	39	40	40
16	38	37	36	35	34	35	35	34	34	36	38	40	43	41	41	41	42	44	42	32	19	3	7	19	34
17	38	40	38	37	38	38	39	35	32	37	39	42	40	44	44	43	46	42	39	31	17	11	20	37	36
18	38	40	41	38	36	33	34	33	34	35	40	44	46	54	53	53	54	57	63	56	56	47	36	32	44
19	30	31	29	31	31	31	32	35	40	44	45	44	44	45	45	45	44	44	44	43	42	41	41	40	39
20	40	39	36	34	29	30	34	36	38	39	41	43	44	44	45	46	47	47	45	43	44	45	42	41	41
21	40	40	39	28	31	29	21	16	15	17	19	20	13	15	20	26	33	35	40	44	46	48	48	47	30
22	49	48	48	45	46	46	46	45	46	47	50	52	49	42	36	35	19	17	22	22	15	9	9	37	37
23	6	30	41	39	37	39	37	35	38	39	41	39	43	40	42	43	44	43	40	36	27	24	38	40	37
24	39	37	36	35	37	36	35	35	34	35	36	38	42	43	45	45	46	46	45	43	37	35	38	36	39
25	33	32	35	36	36	37	37	36	37	38	39	38	37	38	37	37	36	36	37	35	35	34	33	32	38
26	39	39	42	43	41	40	39	39	38	38	38	37	38	37	37	37	36	36	37	35	34	43	40	40	40
27	31	31	31	30	29	28	27	26	24	26	29	28	29	32	33	34	41	45	43	40	43	42	42	42	34
28	42	37	33	29	29	28	28	25	19	21	24	26	26	23	21	20	21	21	16	3	1	0	0	0	2

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION														
STATION - C NO 45125															NATURAL RESOURCES BLDG. ORONO														
MONTH - APR 78															MONTH - APR 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	43	41	39	35	31	28	25	25	32	40	49	52	50	41	36	33	34	35	35	35	36	35	37	39	37				
2	40	41	41	41	41	41	40	40	41	41	42	43	45	46	46	46	46	42	41	37	31	28	38	41					
3	39	39	40	40	40	39	38	35	32	35	38	38	39	37	36	34	34	34	35	34	34	32	27	25	36				
4	23	21	20	16	16	16	15	11	13	15	13	12	19	23	22	17	17	16	6	5	8	8	7	10	15				
5	23	30	35	35	35	34	32	35	36	38	38	38	39	39	40	40	36	34	32	29	26	24	31	32	34				
6	28	31	29	24	28	29	31	31	32	31	33	37	42	42	43	43	42	43	38	36	35	36	35	35	35				
7	34	32	30	27	26	22	20	21	21	23	24	26	37	38	39	39	36	34	34	34	35	34	33	31	30				
8	28	28	28	27	27	26	24	26	26	25	26	27	31	34	34	37	37	38	39	40	40	41	41	38	32				
9	37	38	38	36	35	36	37	37	38	40	44	45	47	48	50	50	51	51	46	40	41	44	41	37	42				
10	32	31	35	39	39	40	41	41	40	40	40	41	42	41	41	41	41	32	35	36	37	39	42	40	38				
11	40	38	35	30	27	23	18	16	8	10	10	9	15	9	11	21	27	32	30	24	15	26	31	31	22				
12	29	26	27	29	31	32	31	29	30	29	30	32	33	34	37	24	26	23	31	39	42	36	20	5	29				
13	8	10	0	8	7	3	9	14	27	37	38	36	35	***	34	34	31	32	37	35	32	33	33	36	25				
14	37	38	34	34	32	36	38	37	38	39	40	42	43	43	43	44	44	42	40	40	38	40	37	35	39				
15	29	25	24	31	29	25	29	35	35	35	35	36	35	36	35	35	35	34	33	31	32	31	30	27	32				
16	27	27	27	27	26	26	32	35	37	40	43	43	43	38	40	40	30	34	28	21	27	27	38	37	33				
17	40	40	38	40	38	39	38	39	41	43	44	47	47	46	50	55	58	57	51	34	22	28	39	40	42				
18	37	34	31	37	36	33	31	35	36	38	43	48	52	51	52	58	58	55	54	51	54	55	56	53	45				
19	51	51	48	50	48	47	47	44	41	42	43	42	39	41	42	40	39	43	43	40	40	39	39	39	43				
20	40	42	40	39	38	38	36	31	29	31	32	34	39	36	37	37	38	38	38	32	31	35	35	37	36				
21	36	36	36	36	35	35	34	32	34	35	36	39	40	41	43	45	45	45	45	44	42	41	42	40	39				
22	38	39	40	37	35	34	35	38	39	40	43	44	47	50	53	54	55	53	50	45	42	42	42	41	43				
23	42	40	38	38	37	33	34	37	45	47	47	46	51	50	49	49	53	55	50	32	10	15	22	19	39				
24	26	36	39	41	35	36	38	40	44	47	47	46	50	51	56	56	58	57	51	41	23	34	35	37	43				
25	40	44	46	44	45	44	44	45	47	51	54	56	56	57	58	59	58	55	52	35	6	2	16	36	44				
26	42	42	43	43	42	42	40	43	48	56	54	56	59	64	69	70	74	76	68	56	34	19	22	27	50				
27	27	39	45	42	40	43	38	43	46	50	50	51	53	55	54	52	57	59	53	44	39	37	34	34	45				
28	35	38	41	41	41	39	40	40	43	46	48	50	50	51	52	53	53	54	52	47	41	42	42	44	45				
29	40	41	33	36	33	6	33	44	45	49	52	53	53	52	50	50	49	49	47	44	39	37	37	42	45				
30	40	38	39	35	36	35	40	40	41	41	43	43	46	47	48	47	47	46	44	41	39	36	36	34	41				
MEAN	34	35	35	35	34	32	33	34	35	38	39	40	43	43	43	43	43	44	41	37	33	33	34	34	37.2				

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 45125														NATURAL RESOURCES BLDG. ORONO											
MONTH - MAY 78														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	37	37	37	37	38	39	35	32	32	32	32	34	36	36	35	36	37	38	37	36	35	29	30	27	35
2	27	33	33	32	32	32	33	36	39	40	41	44	46	50	49	48	48	46	44	41	42	42	43	43	40
3	41	41	38	36	32	32	35	42	45	47	50	53	55	56	53	53	54	53	49	44	38	37	36	44	44
4	44	44	42	44	41	35	38	41	44	44	45	***	48	47	47	49	50	51	47	39	40	42	42	43	44
5	43	45	45	44	40	36	32	29	29	34	43	42	44	45	44	43	43	42	40	38	34	30	31	32	39
6	32	30	29	29	31	32	29	26	25	25	25	25	26	26	29	26	24	6	7	4	2	15	33	34	24
7	34	35	31	34	33	31	32	38	52	40	48	51	56	58	62	64	68	64	61	57	54	60	54	54	49
8	54	53	55	55	50	48	47	47	44	44	50	63	69	68	68	62	54	50	46	47	46	46	43	42	52
9	40	31	26	31	33	24	19	23	29	33	42	55	56	56	59	52	51	46	39	25	26	15	28	21	36
10	30	33	31	32	31	30	32	35	39	37	***	31	29	31	38	45	45	44	43	38	29	18	10	9	32
11	15	12	4	0	0	0	4	6	20	39	46	47	50	53	64	73	69	64	60	62	62	63	51	43	38
12	43	24	38	59	60	51	43	41	39	34	35	38	42	50	43	32	30	43	46	46	48	49	50	54	43
13	56	53	48	48	52	51	47	46	48	49	55	58	61	58	55	55	55	53	51	49	46	51	51	52	52
14	51	56	56	59	59	58	56	53	52	51	50	50	51	51	51	53	53	55	58	56	58	61	60	55	55
15	66	61	57	58	56	46	43	41	36	37	38	40	45	43	45	45	47	47	47	45	45	43	43	47	47
16	39	40	39	36	36	34	31	36	39	41	41	41	39	40	46	46	48	43	36	23	6	42	54	50	39
17	49	45	40	36	34	28	30	29	30	30	32	38	42	36	48	45	43	41	33	27	23	18	13	34	34
18	22	18	15	14	12	10	11	14	19	32	36	25	21	43	31	45	41	44	39	22	21	11	2	3	23
19	10	0	0	3	12	8	7	10	11	24	39	57	73	61	81	94	93	83	79	61	20	9	3	0	35
20	0	0	0	0	0	0	1	11	17	23	36	59	78	76	79	71	61	54	48	41	42	46	41	40	34
21	42	53	36	19	20	21	27	30	31	32	35	35	38	35	35	35	35	34	30	28	28	29	27	27	32
22	25	26	22	17	11	10	15	26	34	35	37	38	40	43	54	58	60	54	48	36	11	14	8	20	31
23	36	35	31	22	15	10	17	37	43	45	50	55	58	66	63	63	60	47	25	13	3	0	38	38	38
24	9	31	26	23	18	18	8	54	61	71	77	73	73	83	75	71	72	66	55	51	26	17	57	49	49
25	19	34	41	35	29	38	58	70	69	64	66	66	***	87	85	82	83	83	85	83	81	80	76	71	65
26	68	56	64	56	83	82	76	70	69	65	66	77	95	126	159	163	154	181	137	80	55	44	34	27	87
27	0	0	0	11	16	22	21	71	88	81	106	117	127	117	117	117	117	111	106	96	48	23	17	26	65
28	12	17	33	43	36	27	45	51	56	72	79	78	82	86	95	92	85	86	85	63	18	3	17	13	53
29	18	27	37	32	23	19	39	55	56	43	74	84	96	94	99	90	95	88	74	50	31	2	19	19	53
30	17	22	38	32	45	28	47	78	65	67	77	83	89	90	88	85	89	92	91	59	31	35	23	32	58
31	27	47	48	38	24	45	22	21	48	84	88	96	***	124	69	53	50	49	45	45	45	38	29	28	51
MEAN	32	34	34	33	32	30	32	39	42	45	51	55	57	62	63	63	62	61	56	47	36	33	33	33	44.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 45125 NATURAL RESOURCES BLDG. ORONO														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	31	28	23	24	22	19	18	16	16	22	23	19	34	38	42	44	49	68	56	41	29	30	30	31	31
2	20	7	4	3	2	2	8	21	14	30	58	66	102	64	52	47	42	36	33	28	22	10	12	23	29
3	31	26	29	28	22	25	26	29	36	41	49	53	58	59	59	58	55	53	45	38	36	29	21	39	
4	25	24	21	23	24	22	27	40	30	26	39	42	45	51	58	65	68	63	55	50	42	36	37	20	39
5	28	23	13	9	12	27	40	36	35	31	32	32	29	31	34	36	38	41	42	42	30	28	30	27	30
6	30	14	3	0	2	12	13	25	22	***	39	48	46	51	55	68	74	81	73	59	35	14	19	20	35
7	23	30	15	12	10	4	17	39	32	39	48	46	46	44	38	32	35	37	37	31	23	37	29	23	30
8	21	11	12	9	8	3	7	10	18	26	34	43	61	58	55	44	39	34	33	20	14	13	14	14	25
9	16	11	10	15	18	14	22	31	36	40	42	48	49	58	48	51	52	49	42	44	37	31	22	16	33
10	17	17	14	7	4	5	18	24	31	33	36	39	40	41	47	57	60	57	54	48	38	17	13	4	30
11	8	17	22	17	19	13	19	41	53	66	80	91	104	106	97	105	105	104	97	99	92	70	65	51	64
12	43	33	43	32	36	32	43	49	63	68	81	85	96	108	89	97	100	94	36	29	48	42	39	21	57
13	16	17	15	13	13	12	12	15	16	18	18	21	22	28	35	35	35	38	41	40	33	26	30	25	24
14	24	27	34	25	22	18	26	35	38	39	45	47	46	48	48	48	49	44	39	34	30	17	13	14	34
15	15	23	26	28	30	32	34	35	36	38	40	40	42	45	75	88	81	50	46	39	11	15	28	15	38
16	20	18	26	36	19	39	26	13	28	43	***	75	79	93	89	86	78	71	67	66	68	65	55	52	53
17	48	43	44	52	54	58	59	59	61	64	75	81	90	90	95	90	90	87	90	79	61	69	63	67	70
18	56	54	56	49	34	27	24	30	35	49	66	78	89	83	80	63	44	51	52	50	52	50	47	45	53
19	41	42	40	42	40	37	32	34	31	27	36	39	61	68	93	85	58	75	75	59	48	46	44	30	49
20	28	27	34	37	28	28	31	43	50	54	57	***	60	83	77	88	76	80	76	42	21	21	16	10	46
21	13	30	39	46	46	45	46	51	50	44	44	46	51	61	69	83	88	77	60	46	34	32	32	29	48
22	29	29	28	25	22	20	23	27	30	31	35	37	37	42	41	41	41	39	40	28	5	0	0	0	27
23	20	30	28	23	18	21	20	21	21	20	18	19	20	***	20	24	26	28	27	24	18	12	10	13	21
24	14	17	25	26	22	21	23	25	26	29	31	36	40	51	48	44	46	46	43	39	20	11	17	27	30
25	26	15	17	15	15	10	11	20	35	49	63	72	77	74	75	82	82	76	65	68	68	69	62	63	50
26	65	56	60	52	32	37	37	41	39	48	55	59	65	66	75	77	72	78	78	70	61	49	30	21	55
27	22	22	2	0	3	8	19	22	35	52	56	79	99	97	89	101	65	59	58	55	48	46	44	42	47
28	38	41	37	36	35	32	30	29	29	31	33	35	41	38	34	34	37	36	34	31	24	19	21	23	32
29	14	5	3	1	3	31	36	40	42	45	47	48	48	48	48	47	49	49	49	46	42	38	36	39	36
30	37	29	22	22	19	16	21	25	29	31	34	35	38	37	39	40	39	38	35	30	27	21	23	21	30
MEAN	27	26	25	24	21	22	26	31	34	39	45	50	57	61	60	62	59	57	53	46	37	32	30	27	39.6

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 45125 NATURAL RESOURCES BLDG. ORONO														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	12	15	15	14	12	16	19	25	28	29	30	26	34	37	37	41	48	47	38	22	18	19	21	26
2	19	20	23	25	25	26	28	31	31	35	36	37	36	39	42	43	43	42	37	35	40	42	41	34	
3	42	37	37	38	38	35	31	31	43	58	73	72	75	76	82	64	53	45	39	45	51	47	46	47	50
4	46	42	46	40	39	37	31	38	44	50	49	52	52	58	56	58	52	53	51	38	25	8	25	32	43
5	37	32	23	25	14	12	17	38	59	62	64	69	93	91	83	77	77	71	65	71	44	13	18	22	49
6	30	29	22	9	3	5	13	23	41	43	53	63	80	92	97	98	99	90	85	83	79	61	48	34	53
7	19	21	16	19	13	9	36	66	73	***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9	21	20	19	15	11	14	28	32	52	55	75	77	90	108	112	124	120	103	85	62	52	37	27	56
16	26	28	23	21	20	20	22	23	24	27	34	34	38	36	37	39	38	34	32	25	23	20	20	20	28
17	18	16	16	14	11	10	8	13	20	22	25	29	36	39	46	62	74	74	75	69	55	34	25	21	34
18	17	9	8	13	9	3	9	19	25	28	53	83	58	71	92	99	103	97	98	90	78	59	37	21	49
19	25	22	22	23	25	22	6	12	33	35	54	84	94	106	120	127	122	120	116	104	80	56	38	14	61
20	10	6	7	21	24	26	22	54	57	88	104	121	143	146	152	152	151	150	144	134	117	91	79	76	86
21	62	37	16	14	11	19	17	40	54	53	37	41	64	62	66	68	71	66	59	56	35	19	17	23	42
22	24	15	27	14	7	9	18	27	38	42	43	59	66	91	112	101	87	91	79	72	63	46	31	38	50
23	31	26	44	46	46	38	33	30	34	37	41	45	50	42	32	35	32	31	35	32	27	21	20	17	34
24	17	15	15	11	8	4	2	6	22	23	24	25	18	31	33	35	36	35	32	25	7	4	3	4	18
25	14	12	14	16	14	14	13	21	22	36	42	56	65	72	70	70	80	93	99	83	68	52	36	16	45
26	17	18	21	15	18	20	14	19	23	29	41	52	69	73	85	90	98	99	93	90	74	59	54	41	51
27	38	41	45	45	22	21	22	27	31	33	43	55	73	76	83	82	78	75	38	30	32	31	28	24	45
28	20	16	10	5	5	7	11	12	16	18	20	23	28	30	31	36	40	50	60	54	25	5	3	2	22
29	1	1	0	1	2	3	1	0	5	19	23	21	32	35	27	24	12	40	34	27	26	27	22	17	17
30	20	19	16	13	9	7	7	8	9	11	12	15	21	22	26	28	30	30	27	20	6	3	2	6	15
31	11	13	18	19	16	15	14	16	17	20	21	25	26	23	22	24	37	41	35	29	12	4	1	4	19
MEAN	24	21	21	20	17	16	17	25	32	37	42	51	58	62	67	68	68	69	65	58	45	33	28	24	40



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
		STATION - C NO 45125 NATURAL RESOURCES BLDG. ORONO													MONTH - AUG 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		0	3	6	9	4	0	0	4	13	28	43	55	74	79	87	91	95	93	87	82	82	62	51	47	46	
2		34	29	22	19	11	13	17	39	35	55	71	80	100	107	108	114	112	114	114	111	112	89	68	61	68	
3		46	62	55	44	31	31	28	25	30	35	30	29	38	37	36	43	44	46	41	30	28	28	28	29	36	
4		28	26	26	26	24	18	16	17	19	21	23	27	36	43	48	64	69	54	52	28	8	6	5	4	29	
5		2	2	2	4	7	6	5	18	24	31	32	40	58	66	70	72	78	77	66	48	25	19	12	23	33	
6		44	45	39	32	25	21	18	25	54	66	71	75	86	96	107	110	113	112	107	80	47	15	18	43	60	
7		56	56	71	68	58	51	46	39	42	51	55	59	73	84	86	88	83	82	61	41	31	37	24	20	57	
8		36	37	47	47	28	21	23	35	42	40	34	35	59	64	75	82	95	101	102	90	74	72	68	62	57	
9		53	51	57	47	34	30	38	41	35	35	40	37	36	32	32	34	31	31	31	28	27	24	20	19	35	
10		17	14	16	15	14	13	12	14	15	17	16	20	23	23	28	28	30	34	19	9	3	1	2	10	16	
11		12	7	6	7	7	3	5	12	19	21	25	29	35	40	49	57	57	55	48	28	4	8	9	11	23	
12		18	15	24	32	40	41	38	40	47	59	62	63	71	73	80	87	85	88	91	85	40	22	24	25	52	
13		30	37	33	19	19	16	19	16	29	41	46	59	79	112	117	116	123	120	113	95	63	23	8	9	56	
14		18	22	25	15	16	16	20	27	54	55	65	86	89	87	89	90	94	105	68	41	39	41	41	51	51	
15		22	27	39	30	27	18	9	51	51	66	85	93	92	98	101	107	107	112	63	36	24	47	45	40	58	
16		31	26	25	24	22	17	16	26	30	31	41	47	60	71	72	72	78	79	73	68	52	46	43	42	46	
17		44	34	27	24	17	12	12	12	12	12	14	15	16	17	20	21	20	20	19	19	16	13	3	18	25	
18		4	4	3	3	7	6	8	11	21	23	24	27	31	35	45	49	54	58	48	28	24	23	30	25	25	
19		19	26	27	24	18	12	11	15	25	37	48	61	77	82	96	110	107	53	45	37	34	25	24	24	43	
20		20	18	14	14	14	13	10	10	12	14	16	18	24	26	32	36	39	39	34	17	11	14	15	18	20	
21		20	17	15	11	8	7	4	10	22	24	26	29	29	33	35	37	43	44	46	23	9	7	5	5	21	
22		9	7	8	10	9	6	1	17	28	37	***	55	79	85	86	87	90	81	66	36	32	26	35	49	41	
23		63	64	63	65	65	52	26	39	59	61	63	65	77	79	95	105	124	103	85	90	85	64	67	54	71	
24		38	30	34	26	36	28	25	35	48	***	57	30	16	10	12	13	15	19	18	18	17	19	20	21	25	
25		20	19	19	19	17	17	16	16	19	23	26	29	36	39	42	47	53	55	49	19	7	5	13	14	26	
26		5	0	2	13	18	20	21	25	30	32	32	36	37	42	58	64	75	80	66	37	12	10	3	10	30	
27		15	17	18	19	18	18	20	21	22	23	26	29	33	36	34	34	36	35	36	33	29	27	25	25	36	
28		25	23	22	21	20	16	16	19	24	29	34	37	42	45	51	57	55	56	45	46	42	34	31	30	34	
29		27	21	22	19	21	20	17	16	13	14	20	25	30	36	42	49	29	29	30	27	16	6	2	1	3	
30		2	2	2	1	1	1	0	4	12	19	31	32	35	43	49	44	44	31	18	8	10	14	22	26	19	
31		27	25	25	24	23	24	21	13	13	14	19	23	27	31	34	36	40	38	26	8	4	6	8	8	22	
MEAN		25	25	26	24	21	18	17	23	29	34	39	43	53	57	62	65	68	65	58	43	31	26	25	26	37.6	

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
		STATION - C NO 45125 NATURAL RESOURCES BLDG. ORONO														MONTH - SEP 78													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	9	14	16	16	16	12	9	12	18	25	32	34	38	45	54	67	71	75	64	25	3	2	1	0	27				
2	0	0	1	3	5	1	2	7	19	30	38	45	53	61	63	71	73	72	63	53	36	13	7	4	30				
3	19	17	17	17	28	28	27	30	35	44	52	57	56	56	56	56	44	34	28	20	15	17	18	16	33				
4	10	7	8	9	8	8	7	7	7	10	14	17	29	38	54	56	56	55	38	29	17	4	10	10	21				
5	10	8	5	10	7	3	1	2	17	22	22	20	27	33	41	43	45	44	34	10	3	3	3	3	17				
6	5	7	6	2	3	4	15	23	28	39	60	87	93	63	59	59	62	61	56	28	24	25	38	55	38				
7	56	52	44	39	35	31	23	14	12	11	13	15	18	19	21	23	25	22	17	16	15	15	16	24	18				
8	18	19	21	22	23	22	20	18	17	17	14	20	24	24	25	22	25	21	18	12	6	4	6	9	14				
9	11	17	18	16	14	13	16	16	18	18	19	24	26	27	30	31	33	35	22	1	3	6	19	14	19				
10	14	13	16	21	21	20	19	18	17	15	18	19	22	25	27	28	26	20	17	14	10	12	19	16	19				
11	14	12	10	2	14	2	1	3	4	11	27	41	64	83	98	81	62	51	38	19	37	32	39	32	32				
12	27	26	22	22	19	13	13	12	13	15	18	22	24	23	23	27	24	19	7	11	18	18	17	18	19				
13	17	17	17	14	14	13	15	17	19	20	23	26	27	28	26	26	24	24	26	26	26	25	22	21	25				
14	27	27	22	19	18	18	20	21	23	32	42	44	48	53	60	57	50	43	34	32	27	18	18	32	25				
15	16	16	14	13	20	18	10	15	19	24	26	28	37	28	32	31	27	24	26	36	44	34	23	27	25				
16	34	28	25	23	20	13	14	18	19	22	23	26	30	30	29	30	28	25	22	19	19	18	13	9	22				
17	11	9	8	9	11	13	14	14	12	11	11	11	11	11	11	12	12	11	11	13	14	14	14	15	12				
18	17	18	19	19	19	18	16	15	14	17	18	18	19	18	18	20	21	22	26	28	28	27	25	23	20				
19	26	30	30	28	22	17	12	13	16	19	23	29	34	***	45	46	44	35	17	5	0	0	3	3	22				
20	7	13	21	22	19	15	15	22	30	23	21	27	32	35	40	51	54	41	24	8	13	29	14	12	25				
21	14	14	13	15	12	2	0	2	9	23	30	32	26	21	18	20	20	20	21	21	17	19	19	16	17				
22	12	10	9	9	9	7	6	7	9	13	19	19	18	19	21	24	26	22	9	0	0	2	2	4	11				
23	7	10	14	16	13	6	6	9	14	17	21	26	28	28	29	30	30	27	8	1	0	3	2	3	25				
24	4	5	10	8	6	5	5	6	14	18	29	35	52	60	76	77	71	62	39	12	5	3	0	3	25				
25	32	32	29	27	23	19	16	15	17	20	21	21	21	21	22	24	25	23	14	11	12	12	19	22	21				
26	20	21	17	19	23	23	18	18	17	19	25	30	30	30	34	38	39	32	25	25	28	33	26	22	26				
27	11	3	2	0	0	0	0	8	24	25	32	44	54	59	66	62	68	69	53	21	22	26	26	28	29				
28	25	18	22	23	19	17	16	15	17	18	20	22	27	27	29	29	28	21	13	11	11	18	14	16	20				
29	17	17	13	10	8	2	0	3	14	18	18	22	24	27	31	32	28	24	18	14	14	13	15	16	17				
30	12	8	8	8	9	10	9	11	18	25	27	32	40	49	55	55	52	47	48	49	47	52	47	44	32				
MEAN	17	16	16	15	15	12	11	13	17	20	25	30	34	36	40	41	40	36	28	19	17	17	17	17	22.9				



POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - C NO 45125 NATURAL RESOURCES BLDG. ORONO												MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	38	39	37	33	30	22	17	13	17	23	25	28	32	30	28	28	23	21	17	15	13	12	6	4	23
2	7	12	16	23	21	17	8	7	19	22	25	28	30	30	33	35	36	30	16	0	2	1	1	3	18
3	8	8	8	12	13	13	9	8	13	23	23	29	33	33	33	33	35	34	36	32	31	27	21	23	22
4	26	14	17	20	19	9	19	25	23	24	23	19	13	***	21	20	20	21	17	4	0	0	0	0	15
5	0	0	0	0	0	0	0	4	8	10	15	21	23	23	27	26	26	25	24	25	31	34	34	28	16
6	19	18	22	20	11	18	15	19	17	13	12	15	19	20	20	14	12	14	17	14	8	2	10	13	15
7	11	11	11	12	12	12	15	17	20	22	23	23	25	24	25	25	25	25	22	21	19	19	19	19	19
8	19	18	17	13	12	15	16	19	22	22	22	22	22	25	26	26	26	24	22	20	18	19	12	6	19
9	7	8	7	6	7	7	7	9	16	21	22	23	27	28	30	35	34	29	27	33	38	29	17	16	20
10	16	10	12	13	12	14	6	3	5	10	22	25	31	43	49	54	58	57	42	29	23	5	2	0	23
11	0	0	0	0	1	1	0	3	16	26	27	37	47	52	58	59	58	54	45	49	46	44	45	43	30
12	40	36	38	38	36	34	36	31	28	24	28	32	35	39	40	43	43	37	31	32	27	13	3	1	31
13	0	0	4	4	6	5	3	1	2	13	14	19	23	23	24	24	24	23	23	25	25	24	24	15	15
14	23	22	20	20	20	19	18	12	12	13	14	15	17	16	17	17	17	17	15	10	7	9	9	2	15
15	2	9	11	16	14	18	18	17	20	23	24	25	26	27	29	27	24	18	11	1	2	10	2	16	16
16	25	25	25	23	22	22	21	22	24	26	26	27	31	30	32	32	29	15	3	0	9	14	17	21	22
17	21	19	15	13	17	11	3	2	14	24	27	26	27	29	32	31	29	26	9	0	0	0	0	0	16
18	0	0	1	0	0	0	0	0	0	3	8	20	23	21	17	13	7	8	0	0	0	0	2	2	5
19	3	3	14	16	16	12	6	1	1	6	10	11	20	20	21	22	15	8	11	11	7	9	16	16	12
20	16	17	17	16	12	14	8	6	11	15	18	21	21	17	19	23	22	18	11	4	13	19	13	4	15
21	1	0	0	0	0	0	0	0	5	11	20	27	32	33	34	37	43	47	50	48	51	49	46	43	24
22	44	39	33	29	26	25	19	13	22	29	34	39	39	42	43	50	57	62	47	33	34	34	29	24	35
23	29	35	28	25	22	19	16	14	12	12	14	19	22	25	26	28	29	28	25	25	26	24	22	15	23
24	14	13	9	7	8	7	1	0	3	10	14	21	24	23	29	26	21	19	25	27	27	25	22	13	16
25	9	7	1	4	2	0	2	5	7	10	11	15	16	18	18	21	21	23	23	17	19	24	23	14	13
26	26	24	21	21	20	18	16	16	18	17	17	19	19	22	21	21	19	18	14	15	15	12	9	6	18
27	9	8	9	14	10	5	2	0	0	9	9	13	16	14	16	11	4	10	16	4	9	12	11	14	9
28	9	2	0	0	0	0	0	0	3	8	12	22	25	27	28	28	28	28	26	23	22	21	18	18	13
29	12	5	2	6	12	14	15	16	15	16	16	17	20	21	21	21	20	11	3	0	0	0	0	4	11
30	8	11	11	12	14	10	6	4	12	20	20	21	22	22	26	27	28	16	14	5	3	5	4	4	14
31	0	2	4	3	3	5	3	0	2	4	7	15	31	34	***	38	38	34	31	29	28	25	25	22	17
MEAN	14	13	13	14	13	12	10	9	13	17	19	22	26	27	28	29	28	26	22	18	18	17	15	14	18.1

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - C NO 45125 NATURAL RESOURCES BLDG. ORONO													MONTH - NOV 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	21	20	18	20	19	19	14	12	14	20	24	25	23	25	28	24	26	16	3	2	1	0	0	0	16	
2	0	0	0	0	0	0	0	0	2	2	7	16	21	22	22	21	17	9	0	0	5	17	14	3	7	
3	5	8	7	7	14	11	6	4	14	28	30	32	39	43	41	41	35	23	8	6	4	6	8	3	18	
4	4	0	0	3	5	0	5	4	6	6	9	13	24	42	42	35	24	15	18	16	4	0	0	0	11	
5	6	7	11	14	17	23	24	25	22	22	25	38	36	44	50	57	54	43	35	46	50	12	8	16	29	
6	31	36	36	37	39	37	33	24	15	18	22	23	22	24	23	22	25	27	27	25	23	19	13	7	25	
7	3	3	5	9	5	8	9	12	13	16	19	20	21	22	22	23	19	14	4	1	2	5	6	14	11	
8	16	10	8	8	7	8	4	0	4	11	20	19	20	28	27	26	18	11	16	12	9	12	11	8	13	
9	6	5	7	9	9	12	15	15	12	8	10	14	20	18	19	18	10	4	0	0	0	0	0	0	9	
10	0	0	2	5	2	8	13	13	13	13	15	17	17	13	11	10	7	0	3	4	7	8	8	8	8	
11	6	6	6	5	4	2	1	1	1	1	2	9	15	17	26	27	22	14	18	16	10	8	11	13	10	
12	19	22	22	22	22	23	24	24	24	25	25	25	25	26	26	27	24	12	4	12	21	22	25	22	22	
13	23	22	23	24	23	22	20	18	16	16	14	12	10	8	5	2	0	0	2	2	3	4	3	4	12	
14	2	3	7	9	13	17	16	11	11	11	11	15	***	23	***	19	19	19	20	20	20	19	20	15	15	
15	20	21	22	22	22	22	21	19	15	17	20	23	25	25	25	24	18	14	8	9	7	14	7	0	18	
16	0	6	13	17	16	10	1	13	26	28	29	31	31	34	34	35	29	11	4	5	13	21	24	24	19	
17	22	18	21	22	23	20	15	15	12	9	9	13	13	13	13	14	15	15	15	15	15	14	12	8	15	
18	6	4	4	6	6	8	10	17	21	23	24	27	30	30	27	26	18	17	19	17	15	11	5	6	16	
19	11	12	12	16	14	15	13	10	19	28	28	28	29	30	30	29	29	29	28	28	27	26	26	27	23	
20	27	26	26	27	28	28	26	26	26	26	25	25	28	28	27	26	25	24	22	20	18	22	22	22	25	
21	20	20	18	17	18	18	17	18	18	18	22	22	22	22	23	22	13	6	1	5	14	14	11	9	16	
22	13	18	19	20	21	21	20	16	17	17	18	20	22	25	25	24	22	20	21	20	14	13	17	23	19	
23	20	17	16	15	10	8	7	7	6	5	4	4	4	3	2	0	0	0	0	0	0	0	0	0	5	
24	0	0	0	0	0	0	0	0	2	5	8	8	7	7	7	7	8	6	7	7	12	13	14	15	6	
25	17	19	20	20	22	23	23	23	24	24	27	27	30	30	30	30	29	28	26	23	25	27	26	24	25	
26	26	26	25	24	25	25	24	24	24	24	26	27	30	31	31	31	26	19	17	22	23	23	23	25	25	
27	24	24	24	24	24	24	24	23	22	22	21	21	20	20	19	19	19	19	19	19	19	19	19	16	21	
28	12	11	11	10	10	12	11	11	12	13	13	12	14	16	22	21	10	6	1	0	0	4	1	10	10	
29	2	2	0	0	0	0	0	0	3	9	11	***	15	12	12	12	8	6	4	2	3	3	6	4	5	
30	2	3	2	3	3	6	14	22	22	21	26	28	31	30	29	29	28	25	23	21	21	18	17	19	19	
MEAN	12	12	13	14	14	14	14	14	15	16	18	20	22	24	24	23	20	15	12	13	13	12	12	11	15	

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 45125 NATURAL RESOURCES BLDG. ORONO													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	18	18	17	21	23	24	18	7	4	5	7	9	6	1	0	5	13	6	1	0	0	1	9	9
2	10	20	26	26	24	25	24	19	20	21	21	24	27	29	30	31	32	30	25	5	7	3	11	15	21
3	25	26	27	27	26	26	26	26	25	25	24	23	22	21	16	13	12	11	10	8	6	6	6	19	19
4	7	7	6	5	2	5	5	3	2	5	10	14	18	22	21	19	16	11	8	7	8	10	12	12	10
5	12	10	11	13	12	7	9	6	4	6	7	11	12	11	15	6	6	8	2	0	1	6	0	0	7
6	2	1	0	0	0	0	0	0	1	3	5	7	14	18	20	20	14	6	1	2	3	10	21	19	7
7	19	19	18	16	19	22	22	21	19	22	22	22	23	21	20	19	19	17	15	15	15	13	10	8	18
8	3	1	0	0	0	0	0	0	0	1	3	4	15	20	23	22	26	24	24	25	26	24	26	31	12
9	27	26	26	26	26	26	25	24	24	24	26	28	29	28	27	27	27	24	22	23	22	22	23	23	25
10	24	27	26	25	26	26	26	26	26	26	26	27	27	27	27	26	25	20	18	18	24	22	11	17	24
11	21	10	12	14	15	12	12	11	9	9	10	13	16	14	15	15	13	6	1	0	0	0	0	0	10
12	2	3	3	0	0	0	0	1	3	4	8	6	15	23	22	19	5	8	12	16	16	14	13	10	8
13	11	9	8	12	13	15	15	16	16	11	9	9	10	6	11	18	16	14	13	17	17	17	18	18	13
14	23	23	23	23	24	24	25	25	27	27	27	25	23	26	23	12	7	11	13	15	11	12	5	4	19
15	10	9	6	6	6	8	6	1	1	3	6	7	9	9	8	9	10	6	0	0	0	0	0	4	6
16	6	5	4	1	1	1	0	1	2	1	6	11	11	8	11	8	4	5	6	9	11	9	7	5	6
17	6	3	0	2	9	24	27	28	29	30	29	29	30	30	29	29	29	29	29	28	25	21	21	23	26
18	24	25	25	26	27	26	26	24	22	24	26	27	26	26	26	27	27	27	27	27	28	29	28	28	26
19	27	27	27	27	26	26	26	27	27	26	24	26	27	28	28	28	27	24	23	24	24	23	23	24	26
20	26	23	24	25	26	26	26	24	23	22	20	19	21	20	17	16	16	17	14	12	9	7	4	2	18
21	1	0	0	0	0	4	6	19	25	27	27	26	28	29	29	29	28	27	27	26	26	23	20	16	18
22	13	12	5	0	5	8	8	9	12	8	3	7	8	15	16	13	11	7	6	3	0	3	15	21	9
23	26	24	25	22	21	20	16	14	14	13	17	23	28	28	29	31	27	21	10	14	11	5	1	1	18
24	0	0	6	14	9	11	12	16	19	19	18	18	19	18	18	15	15	15	15	14	12	12	13	14	13
25	15	16	17	20	20	18	17	18	19	18	21	21	25	21	19	22	23	24	25	26	26	26	27	28	21
26	29	29	29	29	29	29	26	22	19	19	31	34	27	26	26	26	24	23	22	21	19	18	17	20	25
27	21	21	21	22	22	23	23	22	23	24	26	28	29	29	29	28	27	24	22	26	24	22	22	24	24
28	20	23	21	22	23	24	22	20	19	19	23	23	29	30	30	28	24	15	12	5	6	23	25	22	22
29	24	25	23	26	26	26	26	25	25	26	26	26	28	28	27	24	22	17	19	20	22	24	24	21	24
30	21	21	21	21	21	19	19	18	18	19	21	21	20	20	19	13	9	9	11	11	8	6	6	5	16
31	3	1	0	0	0	0	1	2	3	5	4	5	6	6	6	3	1	0	0	0	0	0	0	2	2
MEAN	15	15	15	15	16	16	16	16	16	16	17	18	20	21	21	19	18	16	15	14	13	13	13	14	16.1

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 45125 NATURAL RESOURCES BLDG. ORONO													MONTH - DEC 78												
MONTH	NO OF DAYS					AVERAGE CONCENT					24-HOUR MAXIMUM					MAXIMUM READING									
JAN	19					21.5					28					50									
FEB	28					28.5					42					54									
MAR	31					38.3					51					82									
APR	30					37.2					50					76									
MAY	31					44.3					87					181									
JUN	30					39.6					70					108									
JUL	23					40.3					86					152									
AUG	31					37.6					71					124									
SEP	30					22.9					38					98									
OCT	31					18.1					35					62									
NOV	30					15.7					29					57									
DEC	31					16.1					26					34									
YEAR	345					30.1					87					181									

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 45125 NATURAL RESOURCES BLDG. ORONO

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	62	94	307	12	0	0	0	0	475
FEB	53	61	244	311	3	0	0	0	672
MAR	21	34	88	520	79	1	0	0	743
APR	23	26	89	508	73	0	0	0	719
MAY	45	50	87	326	172	44	12	4	740
JUN	39	98	142	259	132	38	8	0	716
JUL	57	105	105	143	102	37	23	3	575
AUG	90	147	146	169	113	46	31	0	742
SEP	134	252	189	81	58	5	0	0	719
OCT	206	226	210	89	11	0	0	0	742
NOV	238	223	221	33	2	0	0	0	717
DEC	236	189	313	6	0	0	0	0	744
YEAR	1204	1505	2141	2457	745	171	74	7	8304

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH  
MEAN

94.8

0

6.4

18.7

26.6

36.2

53.5

67.9

88.1

99.0

181

30.1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 46110

QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	4	7	9	10	16	18	17	14	11	5	5	6	5	4	14	21	23	23	25	26	11
2	28	26	20	24	37	36	29	24	20	25	27	29	31	29	24	25	15	11	14	17	17	19	18	15	23
3	15	15	15	14	14	15	15	10	12	21	22	25	26	26	28	19	3	1	2	5	4	3	9	14	
4	22	22	17	14	10	6	4	0	0	4	11	11	13	16	12	7	8	3	1	1	3	3	1	1	8
5	4	9	8	10	4	1	0	0	1	2	5	8	6	5	1	0	0	0	0	0	0	0	0	0	3
6	1	7	13	16	12	11	8	7	2	3	5	5	10	7	4	5	6	21	22	8	0	11	10	7	8
7	9	2	0	1	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	1	2	4	5	3	2	1	3	3	3	1	1	0	0	0	0	0	0	0	5	10	2
9	18	21	25	27	27	28	27	25	24	26	28	29	30	29	29	25	22	20	14	18	24	28	27	28	25
10	29	29	30	31	31	31	29	14	10	37	38	38	39	39	39	36	35	34	34	35	35	35	33	28	32
11	24	31	28	27	35	45	43	38	36	35	36	37	29	29	30	***	20	11	13	11	9	8	8	7	26
12	18	18	21	26	26	16	7	2	9	***	***	17	18	19	13	8	0	0	0	0	0	0	0	0	11
13	0	0	0	0	0	4	5	5	6	2	1	0	***	2	1	1	0	0	1	2	6	7	10	2	
14	13	19	22	23	24	22	19	19	16	18	18	19	22	21	21	19	18	16	15	16	18	19	19	20	19
15	21	22	21	22	23	19	20	19	18	23	24	25	25	25	26	21	18	14	23	24	20	20	22	21	22
16	23	21	23	20	23	24	19	7	6	15	19	21	26	25	***	21	13	5	5	4	1	0	0	0	14
17	0	0	0	0	1	0	0	0	0	1	2	2	4	4	1	0	0	1	2	8	10	11	12	3	
18	14	17	18	22	20	19	14	5	7	13	16	20	21	22	22	16	8	1	0	1	1	0	0	0	12
19	1	1	0	0	1	1	1	0	0	1	3	6	8	8	9	4	1	0	0	0	0	0	0	0	2
20	2	10	13	18	18	17	8	2	2	4	7	10	13	12	12	10	8	6	4	4	6	8	11	12	9
21	14	18	19	18	19	20	19	17	15	13	15	18	22	18	14	8	7	2	0	0	0	0	0	0	12
22	0	0	0	0	0	5	2	5	5	11	18	20	21	21	22	19	15	5	10	12	14	19	19	15	11
23	6	7	8	9	10	10	8	4	3	7	16	19	25	25	24	22	18	15	2	7	6	9	5	0	11
24	***	4	5	5	6	9	5	1	2	7	10	15	***	***	13	6	6	3	4	0	0	0	0	0	5
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	10	14	1
26	14	13	7	5	5	7	8	4	4	8	15	16	17	16	16	16	***	15	14	21	35	24	24	25	14
27	25	25	27	25	25	24	23	20	18	17	19	22	25	24	24	24	21	19	17	18	18	18	18	19	21
28	21	25	25	25	26	24	17	10	12	12	17	21	25	23	22	24	21	19	16	14	11	13	16	16	19
29	16	15	12	13	18	17	18	14	17	18	20	22	23	23	23	24	24	23	19	15	20	18	16	14	18
30	12	16	21	18	17	15	12	1	3	9	20	27	***	28	27	25	17	7	9	10	5	11	17	15	15
31	20	19	18	17	15	11	5	2	5	16	17	17	21	22	23	23	18	9	7	11	15	20	21	24	16
MEAN	12	13	13	14	15	15	12	9	8	12	15	17	18	18	17	14	12	9	8	9	10	11	11	11	12.5

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION											
		STATION - C NO 46110					QUEENSWAY WEST/HURONTARIO					ST. MISSISSAUGA					MONTH - FEB 78									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	22	23	21	18	14	11	6	8	19	23	26	26	28	32	26	23	20	14	15	11	12	7	4	18	
2	7	5	4	3	3	3	0	0	1	6	15	19	32	27	30	27	19	4	2	1	4	7	2	7	10	
3	16	9	7	15	11	3	0	0	1	5	11	15	24	25	27	23	16	4	4	1	3	4	8	8	10	
4	7	11	14	15	17	17	15	11	9	15	18	19	17	16	15	16	10	4	0	0	0	0	0	0	10	
5	0	0	0	0	0	0	3	13	17	7	8	15	14	16	18	16	13	9	8	8	7	4	3	6	8	
6	20	18	21	18	15	15	10	3	2	8	15	19	23	22	23	22	16	15	15	17	20	22	22	24	17	
7	24	24	25	25	26	26	20	14	14	20	23	25	25	25	24	18	13	10	10	10	15	10	8	19	13	
8	9	14	17	16	17	18	15	3	6	12	18	21	25	25	25	21	15	6	1	2	2	5	8	12	13	
9	18	19	21	19	18	17	15	3	6	15	21	18	***	31	27	25	20	9	4	5	5	15	12	15	18	
10	15	13	16	18	19	18	15	2	4	16	13	19	27	31	***	30	13	24	16	20	23	28	25	17	18	
11	12	13	32	35	31	27	28	24	20	22	27	27	31	33	35	32	28	27	29	25	18	20	26	27	26	
12	30	30	29	29	29	31	32	32	31	31	30	31	32	31	30	29	25	21	23	25	25	27	29	29	29	
13	24	11	6	19	21	23	14	5	7	***	***	18	20	20	20	17	11	4	2	2	5	4	5	3	12	
14	0	0	5	6	11	12	7	2	5	12	16	19	24	26	28	***	18	6	0	0	0	0	0	7	9	
15	18	8	4	3	5	1	0	3	5	17	36	29	35	44	44	***	20	11	0	2	3	2	5	0	13	
16	0	0	0	0	4	8	12	6	13	17	25	27	16	24	36	39	35	25	8	4	9	15	19	15		
17	8	7	14	17	26	22	7	3	7	17	26	31	37	35	34	35	30	22	9	11	5	3	9	18		
18	17	3	5	15	15	1	8	7	11	16	26	31	35	33	37	36	34	27	17	17	16	8	1	1	17	
19	2	2	4	6	7	6	10	20	24	28	31	33	33	32	31	30	24	13	5	5	6	2	0	15		
20	2	0	0	0	0	0	0	0	1	1	7	31	41	43	47	45	42	30	11	9	7	0	2	9	14	
21	24	27	24	24	31	31	19	2	3	6	16	30	43	43	42	40	26	21	11	7	7	13	11	20	22	
22	20	21	26	26	20	23	18	5	7	25	25	29	35	35	34	28	27	25	20	19	15	13	18	23	23	
23	21	30	34	34	32	29	20	12	8	17	23	41	48	45	40	39	31	21	16	14	18	20	16	26	26	
24	12	16	17	23	28	25	21	14	15	22	28	30	36	35	38	35	26	15	19	28	38	40	35	27	26	
25	12	3	1	10	8	3	16	10	15	16	10	13	16	18	20	22	22	13	2	6	4	11	22	18	12	
26	13	11	12	28	30	21	22	24	24	30	32	32	35	34	35	34	31	16	3	2	3	18	23	15	22	
27	18	19	19	21	26	22	16	10	13	23	30	33	38	37	37	35	30	25	12	3	4	4	14	21	21	
28	22	10	9	9	11	12	6	2	2	14	30	49	55	60	59	53	41	25	8	0	0	0	3	20	20	
MEAN		14	12	14	16	17	15	13	8	10	16	21	25	30	31	32	30	24	17	11	9	9	11	12	12	17.0

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION											
		STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA													MONTH - MAR 78											
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	22	45	48	37	28	9	11	21	35	41	44	40	51	52	43	22	10	1	12	25	22	12	26	
2	23	27	26	29	32	29	28	16	16	22	31	33	40	40	40	39	34	28	17	6	16	22	7	1	25	
3	1	0	1	0	0	0	3	17	22	30	28	28	19	16	16	22	18	18	16	25	24	30	15	26	16	
4	35	26	34	40	42	41	33	27	28	28	29	32	33	34	34	35	33	30	24	20	18	18	14	3	29	
5	5	16	10	16	14	16	22	25	32	35	36	37	39	38	39	41	39	40	32	28	26	29	29	18	28	
6	25	22	35	20	7	2	0	1	9	20	28	31	45	49	44	47	41	28	7	0	3	6	16	20	21	
7	32	26	27	27	28	14	11	7	11	21	27	31	34	35	34	31	28	19	12	10	7	9	13	16	21	
8	23	18	16	16	15	12	8	2	4	6	11	37	30	28	35	24	19	21	12	1	0	0	0	0	14	
9	0	0	0	0	2	11	7	3	5	11	19	29	44	45	38	37	43	44	13	26	51	41	18	2	20	
10	11	35	32	31	29	17	16	5	7	21	42	46	43	56	62	63	64	63	26	2	1	0	2	10	29	
11	9	0	0	5	19	7	4	2	13	28	42	60	63	50	52	58	55	40	72	76	57	37	39	31	34	
12	19	32	54	60	45	44	52	56	54	57	55	51	50	44	41	39	40	32	9	0	0	1	0	0	35	
13	4	13	1	1	0	0	0	0	1	6	16	29	36	40	45	38	34	31	18	37	40	46	41	37	21	
14	33	26	42	53	53	50	30	18	8	5	18	31	23	26	26	35	39	38	38	39	37	36	35	32	29	
15	41	39	38	37	35	33	27	20	17	24	27	29	35	36	35	31	27	24	23	23	25	21	22	21	29	
16	10	17	26	28	26	25	19	8	5	6	22	23	24	31	30	19	14	23	16	10	15	17	19	17	19	
17	27	30	35	38	30	27	21	19	24	23	28	28	28	33	33	29	26	14	11	14	18	19	26	25	25	
18	26	28	29	30	29	27	25	27	27	27	32	42	47	41	45	46	47	51	48	37	38	35	26	30	35	
19	34	33	33	32	30	29	30	35	37	39	38	40	38	38	39	39	38	38	37	35	32	30	22	35	35	
20	26	27	29	31	29	16	2	3	16	37	37	35	36	33	32	22	29	28	23	25	13	30	21	13	25	
21	2	0	0	0	0	0	0	0	0	0	4	0	3	3	11	***	25	25	25	24	28	24	40	37	11	
22	39	40	40	43	44	43	39	26	31	38	37	34	38	36	27	25	9	2	6	7	4	6	18	27	27	
23	29	30	21	18	9	2	0	13	24	31	34	36	40	41	41	39	35	31	24	18	17	12	24	32	25	
24	36	35	36	36	35	35	34	33	32	36	35	36	36	39	38	36	32	30	23	16	15	15	11	8	30	
25	7	11	11	9	9	7	3	4	29	27	32	39	39	38	34	30	32	37	39	39	40	39	41	42	27	
26	39	35	30	31	19	18	18	12	13	13	17	19	25	28	31	29	29	28	25	21	27	33	31	29	25	
27	25	18	13	12	17	16	13	6	7	10	17	20	24	30	32	35	25	18	13	4	7	14	25	34	18	
28	42	40	38	38	28	23	19	12	13	26	25	27	28	26	***	18	13	11	5	5	3	4	0	20	20	
29	0	20	22	37	38	35	29	28	29	35	36	36	35	35	35	42	46	43	40	33	24	18	15	19	20	
30	34	36	36	36	35	34	26	24	23	29	30	38	40	42	46	43	40	33	24	18	15	19	19	20	31	
31	16	13	13	10	2	0	0	0	4	21	38	37	36	28	32	31	26	31	32	30	36	32	25	28	22	
MEAN	21	22	24	26	24	21	18	15	18	24	29	33	35	35	37	36	33	30	23	20	21	22	20	20	25.2	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
STATION - C NO 46110														QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA													
		MONTH - APR 78																									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	30	24	17	6	1	1	2	11	49	50	50	49	45	43	37	29	30	31	31	34	34	34	34	34	34	29	
2	36	37	37	38	40	41	42	41	40	39	40	41	39	38	39	39	36	40	26	12	10	6	0	0	0	32	
3	0	0	18	36	43	42	34	26	26	29	28	18	9	9	20	20	20	18	22	22	26	24	16	10	22		
4	3	0	0	0	0	0	0	0	0	4	8	12	12	17	14	3	2	2	5	4	0	0	9	11	15	5	
5	25	30	30	35	39	38	30	23	28	33	36	35	36	34	32	32	29	26	24	10	3	0	0	0	0	25	
6	0	0	0	0	0	0	0	5	9	25	23	32	35	34	32	31	23	26	27	32	34	33	32	30	19		
7	31	18	10	0	4	24	20	17	17	19	26	26	34	34	36	35	31	27	30	27	31	30	30	24	24		
8	20	23	26	28	28	28	24	23	25	25	26	25	28	28	30	28	27	26	21	17	19	20	28	25	25		
9	17	10	6	13	19	20	20	29	35	38	39	41	41	42	41	42	39	32	22	3	0	0	0	0	23		
10	3	8	29	30	31	28	20	15	16	34	32	31	35	36	39	38	36	33	32	33	36	35	28	30	29		
11	32	32	36	35	29	16	16	8	8	10	6	3	7	16	21	29	29	29	24	17	18	26	26	30	21		
12	32	32	32	32	33	29	22	26	29	33	35	30	39	37	38	38	10	40	49	44	50	49	40	32	35		
13	36	37	34	33	27	30	26	26	26	28	29	30	28	28	27	25	23	24	28	26	24	25	27	23	28		
14	27	23	25	27	38	37	32	31	34	40	39	38	40	40	39	39	35	31	27	26	25	27	27	22	32		
15	18	14	3	6	25	30	32	35	36	36	34	33	32	24	21	26	25	26	22	12	2	11	13	20	22		
16	18	13	18	18	23	20	21	23	30	34	34	31	30	23	21	22	22	17	8	2	15	22	22	19	21		
17	24	28	31	30	26	21	15	16	18	28	38	36	42	45	46	***	37	34	19	2	4	8	5	1	24		
18	1	0	2	3	1	0	3	19	23	32	35	39	43	48	48	47	44	44	44	44	44	34	13	36	27		
19	41	41	42	46	38	42	41	35	31	35	34	33	35	31	24	20	29	32	27	19	14	16	20	25	31		
20	31	31	24	29	35	30	22	13	16	25	23	23	26	27	31	30	24	14	17	17	20	21	27	26	24		
21	30	34	37	37	38	37	30	24	24	28	33	33	36	37	34	36	32	31	25	13	17	6	15	22	29		
22	19	20	25	29	31	29	28	31	33	35	39	39	41	41	42	42	35	35	29	15	10	7	17	14	29		
23	9	3	6	10	9	5	15	22	28	28	41	46	46	45	47	52	46	44	37	2	0	0	0	0	23		
24	0	9	13	14	11	14	13	8	13	30	20	19	35	29	41	39	38	36	28	14	8	19	17	20	24		
25	11	12	13	13	13	12	9	6	14	37	45	40	48	50	54	55	53	46	29	16	1	3	0	0	24		
26	0	0	0	2	3	3	3	6	22	34	41	46	54	52	51	50	55	45	10	3	27	9	18	25	21		
27	20	22	22	24	29	25	18	12	14	21	32	39	49	48	47	44	44	34	25	14	12	20	24	31	28		
28	31	32	31	29	32	33	29	24	26	35	44	44	47	49	47	43	40	37	27	13	2	0	1	11	29		
29	17	18	20	28	35	35	35	35	29	38	44	47	46	44	42	40	36	32	31	29	26	30	30	25	33		
30	17	17	18	18	23	30	31	39	39	40	41	42	44	44	42	40	39	34	31	27	23	15	16	28	31		
MEAN	19	19	20	22	23	23	21	21	25	31	33	33	36	36	36	35	32	31	27	18	17	18	18	19	25.6		

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION																													
STATION - C NO 46110															QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - MAY 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN																			
1	38	37	35	29	27	23	22	22	27	29	29	30	33	34	35	31	30	30	31	31	22	26	29	31	31																			
2	29	28	27	24	21	11	11	23	28	33	35	37	37	33	35	36	34	33	32	19	14	17	24	38	27																			
3	39	38	39	39	31	18	5	10	10	18	35	38	38	46	45	38	37	37	38	37	12	4	2	4	27																			
4	5	5	11	34	28	8	***	28	38	38	39	38	30	31	36	39	40	40	39	39	38	32	27	30	30																			
5	36	34	36	38	38	27	24	26	27	27	***	31	36	36	36	33	28	27	17	8	15	10	9	16	27																			
6	15	2	5	9	10	7	7	3	6	6	9	8	12	10	10	4	0	0	0	0	0	6	15	15	3																			
7	18	26	26	26	22	17	16	30	31	30	43	48	52	52	53	57	56	52	49	43	46	46	43	54	39																			
8	54	44	38	32	34	26	16	***	20	20	22	21	18	18	18	7	4	2	12	17	11	13	4	16	20																			
9	12	0	5	0	0	0	0	0	14	12	34	41	42	43	36	31	32	34	30	27	25	8	26	28	22																			
10	31	30	27	29	28	20	14	24	30	22	20	21	23	26	27	26	28	28	23	19	19	4	0	0	22																			
11	7	10	0	0	0	0	0	15	22	21	21	31	40	40	39	34	28	32	23	16	36	20	0	8	18																			
12	14	11	14	23	36	11	2	0	7	13	15	13	19	9	2	6	19	34	25	40	31	17	23	15	17																			
13	16	28	35	37	36	33	35	38	39	36	31	31	17	34	35	24	13	0	11	31	28	34	34	29	29																			
14	49	45	45	47	46	47	45	46	43	40	34	35	40	40	41	42	42	42	45	48	49	51	53	53	45																			
15	54	55	50	48	44	37	34	31	30	28	25	28	33	36	34	31	27	20	4	7	23	32	28	25	32																			
16	32	29	27	31	29	25	20	22	26	27	22	25	29	31	33	34	32	30	21	6	3	5	24	28	25																			
17	34	32	33	31	24	9	1	0	4	4	14	22	27	32	34	35	32	34	25	5	19	0	0	0	19																			
18	0	0	0	0	0	0	0	6	14	25	32	31	35	43	32	21	21	8	2	0	0	0	0	0	11																			
19	0	0	0	0	0	0	0	3	12	28	43	60	***	44	38	37	42	41	28	11	0	0	0	0	17																			
20	4	9	15	26	32	26	36	51	59	71	65	71	73	69	60	70	56	40	31	16	22	30	13	10	40																			
21	38	37	20	22	23	23	29	32	30	32	33	32	38	38	35	36	34	31	27	15	8	6	0	0	26																			
22	6	8	3	0	6	12	26	31	34	36	39	37	43	49	52	48	46	38	20	7	0	0	7	7	23																			
23	9	11	11	7	2	0	0	8	35	39	44	39	54	55	65	65	50	36	8	5	43	8	0	1	25																			
24	1	1	0	5	5	2	5	5	10	26	57	63	71	75	81	74	64	52	38	5	65	0	13	21	29																			
25	32	25	30	39	34	20	12	16	48	51	54	57	62	59	60	49	58	51	42	25	6	4	3	8	35																			
26	10	8	15	31	24	20	6	20	39	53	61	70	85	94	108	87	66	97	102	62	23	5	0	0	45																			
27	0	0	0	0	0	0	19	42	54	56	65	84	115	122	119	129	121	110	95	73	14	7	3	6	51																			
28	0	2	0	4	46	52	55	54	74	74	80	84	78	76	72	68	60	65	63	30	3	0	0	2	43																			
29	0	0	0	0	5	7	7	17	32	55	85	101	79	59	53	66	56	38	43	58	12	1	6	5	33																			
30	5	0	0	0	0	0	***	22	36	69	72	76	81	75	79	78	75	70	37	31	50	42	14	72	45																			
31	50	22	4	0	6	18	21	26	42	57	57	61	46	38	33	30	28	28	29	33	28	28	26	27	31																			
MEAN	21	19	18	20	21	17	16	22	30	36	41	44	47	46	46	44	41	38	32	25	19	15	14	18	28.7																			

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA																MONTH - JUN 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	16	17	11	8	7	8	8	10	14	18	27	29	39	49	47	42	22	22	22	24	22	12	6	21
2	8	4	0	0	0	0	***	3	5	32	37	37	31	31	27	24	21	19	19	16	7	6	0	17	15
3	17	19	17	18	19	18	21	21	27	30	37	42	41	42	39	39	36	34	36	31	15	8	3	0	25
4	0	1	9	4	10	11	21	26	34	29	38	31	27	34	39	40	34	42	32	18	11	9	4	6	21
5	11	29	32	31	25	28	24	26	26	25	24	23	25	***	18	23	28	30	29	18	3	0	0	0	17
6	3	2	1	0	0	2	4	13	16	22	24	33	41	38	37	39	37	33	34	28	12	0	0	0	18
7	0	2	3	3	3	3	5	5	6	7	5	9	6	10	14	7	5	8	4	0	0	0	0	0	18
8	20	15	5	0	0	0	4	9	33	34	36	39	33	23	19	15	15	15	13	13	11	8	7	7	16
9	9	6	9	9	23	11	8	***	26	32	36	39	41	39	41	39	36	33	31	31	16	8	6	2	23
10	2	1	2	2	5	4	7	12	18	24	24	28	37	48	56	47	39	43	29	13	0	1	1	0	18
11	0	0	0	0	5	8	8	32	54	63	79	75	77	78	78	85	85	90	91	79	69	9	0	30	46
12	30	27	40	40	39	22	17	37	45	55	72	76	76	73	77	63	36	31	22	34	27	16	16	14	41
13	15	14	14	14	13	9	7	11	15	14	16	17	22	26	23	27	25	28	28	22	20	14	13	21	18
14	25	24	24	23	23	17	14	22	31	34	31	30	***	32	28	29	31	31	29	21	8	6	14	19	24
15	23	24	23	19	21	18	16	24	34	39	42	48	56	54	51	48	50	45	39	23	11	0	0	0	30
16	4	4	0	3	2	2	3	10	17	31	44	48	50	***	57	48	50	32	4	12	36	44	16	39	24
17	28	10	12	31	29	10	21	35	29	23	35	32	34	16	56	37	61	72	75	66	51	20	5	0	33
18	7	14	9	29	37	20	24	28	38	52	54	59	57	52	48	46	46	44	40	33	21	25	21	18	34
19	23	17	17	9	7	5	3	5	13	21	27	34	43	54	63	49	44	42	35	24	11	2	0	0	45
20	8	13	8	7	10	5	6	10	26	32	77	69	90	89	93	102	97	104	87	84	53	3	0	0	45
21	0	2	0	0	0	1	6	5	2	11	35	38	42	62	61	54	51	48	28	18	9	3	5	7	20
22	16	21	17	16	19	10	15	22	27	29	30	31	35	38	35	34	36	35	40	20	6	26	40	20	26
23	13	26	31	25	20	14	14	18	22	26	26	***	25	29	47	50	38	13	9	7	3	1	2	2	20
24	3	3	3	5	8	13	12	17	26	36	44	40	43	39	41	45	41	37	28	15	1	1	2	5	21
25	2	12	4	2	3	5	17	29	52	40	49	57	62	76	85	78	82	83	65	51	41	21	18	33	40
26	53	50	41	37	20	13	6	10	17	43	51	49	68	***	56	53	55	50	42	34	31	30	25	22	37
27	-	-	-	-	-	-	-	-	-	-	-	-	-	65	57	44	42	46	50	43	36	31	27	32	27
28	35	29	26	20	14	17	11	18	26	31	30	32	32	30	29	28	26	22	20	12	5	4	5	8	21
29	8	12	15	24	20	12	16	24	30	35	34	36	37	37	38	35	38	40	37	28	27	15	7	18	26
30	18	25	29	26	21	12	8	9	17	30	30	36	40	39	35	32	29	28	26	19	9	17	19	13	24
MEAN	14	15	14	14	14	10	12	17	25	31	37	40	44	44	46	44	42	40	35	28	19	12	9	12	25.7

PERCENTAGE OF DATA VALID - 97.4 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION											
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - JUL 78											
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
DAY																										
1	15	12	10	8	13	9	9	11	25	26	28	28	29	30	27	32	30	28	33	26	5	3	3	0	18	
2	2	2	3	8	6	10	12	29	31	35	39	48	52	51	45	41	39	34	31	30	26	21	17	20	26	
3	34	34	36	33	30	32	34	40	36	40	41	40	42	30	26	37	34	21	29	30	36	32	37	48	35	
4	53	55	48	46	43	37	25	30	39	42	43	45	47	***	26	39	39	27	35	30	6	2	2	2	33	
5	3	3	4	4	4	4	4	10	38	58	90	64	69	66	53	76	90	76	74	61	42	7	1	0	38	
6	13	31	21	18	16	8	12	30	53	67	58	75	78	78	81	76	66	64	65	61	54	65	64	72	51	
7	70	62	53	25	22	23	47	31	46	57	69	76	72	64	62	68	71	70	64	56	53	59	61	57	56	
8	42	27	25	35	42	39	35	32	32	37	45	45	45	42	38	36	30	27	24	20	19	16	14	14	32	
9	10	8	8	8	8	4	10	14	17	21	28	28	35	39	44	40	34	28	21	18	19	20	18	22	21	
10	30	35	37	26	29	21	10	12	12	17	17	18	17	18	18	16	15	15	13	13	8	5	5	7	17	
11	10	10	11	11	10	6	4	6	12	14	14	15	18	19	19	19	19	18	***	15	2	3	4	5	11	
12	7	9	11	8	6	6	7	12	16	30	35	38	39	43	44	45	48	43	36	14	0	0	0	0	21	
13	1	11	14	11	7	2	2	21	27	27	31	39	59	63	66	80	66	68	73	65	52	28	15	20	35	
14	30	32	34	23	17	6	7	13	24	29	63	73	72	56	59	52	54	51	38	10	1	0	3	8	31	
15	2	1	1	5	8	8	9	16	49	38	46	56	71	70	65	74	70	55	45	50	28	25	21	19	35	
16	16	18	19	18	17	15	13	14	16	21	22	27	34	27	25	24	23	20	14	13	9	10	11	13	18	
17	14	12	11	7	5	4	8	14	18	22	26	29	28	39	46	50	57	59	51	22	5	2	2	4	22	
18	10	4	3	0	0	1	1	5	14	21	39	49	66	91	88	74	72	69	49	41	21	4	7	16	31	
19	0	1	10	15	0	0	0	3	2	27	53	71	88	87	84	72	71	68	56	38	36	29	3	0	34	
20	0	0	5	2	0	0	0	16	25	43	53	66	63	50	***	***	***	***	***	***	***	***	***	***	***	
21	- DATA INVALID -																									
22	- DATA INVALID -																									
23	- DATA INVALID -																									
24	- DATA INVALID -																									
25	***	***	***	***	***	***	***	***	***	***	***	***	***	60	65	68	68	68	70	76	65	34	7	5	17	***
26	18	38	31	19	4	0	11	23	28	34	37	32	37	47	47	48	45	43	41	46	26	22	16	13	29	
27	19	25	27	28	24	18	14	11	14	20	24	29	29	27	***	30	19	14	13	15	4	8	8	8	18	
28	8	5	2	5	5	2	2	***	10	13	17	24	24	27	30	35	34	38	25	15	4	2	4	5	15	
29	3	0	0	0	4	21	10	8	14	24	29	36	32	36	43	46	46	39	35	31	27	27	21	20	23	
30	17	17	17	15	15	11	10	11	13	17	20	20	20	20	21	27	30	27	25	10	4	1	1	1	15	
31	1	4	10	2	0	3	10	15	12	16	11	31	32	***	38	42	28	17	24	13	2	0	2	2	14	
MEAN	16	18	17	15	13	11	12	17	24	31	38	42	47	47	47	48	46	42	40	31	20	15	13	15	27.6	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	2	5	5	0	0	2	2	19	25	40	26	44	54	53	57	72	66	56	37	6	2	0	0	21
2	0	3	9	11	7	3	3	6	28	50	59	69	80	66	62	46	51	60	53	49	29	43	47	36	36
3	37	40	35	24	25	22	11	6	13	21	18	23	27	32	34	38	52	34	26	18	16	14	14	15	25
4	19	22	23	21	17	13	6	10	17	17	21	25	28	27	30	27	22	25	20	12	1	1	1	1	17
5	1	1	1	1	1	1	1	3	7	14	26	32	41	41	41	45	46	49	46	40	18	10	6	1	20
6	0	0	2	7	10	6	11	21	23	40	79	81	78	64	71	71	74	85	73	43	5	0	0	0	35
7	0	0	13	16	18	15	13	17	29	42	67	59	51	65	60	61	57	56	51	31	11	12	0	0	31
8	0	0	9	25	25	13	3	9	19	27	27	39	50	56	56	63	71	68	54	46	46	49	49	49	36
9	51	52	53	51	45	37	27	21	19	24	21	30	28	30	20	22	25	20	14	4	4	11	11	13	26
10	14	14	15	16	17	12	3	7	11	12	18	22	22	25	35	41	40	24	18	3	3	0	0	0	16
11	1	0	0	0	0	0	0	0	6	17	22	***	28	31	28	27	23	15	2	0	0	0	0	0	9
12	0	1	5	11	13	12	11	18	19	27	38	77	81	79	72	72	68	58	46	30	8	4	4	16	32
13	24	16	8	10	13	18	20	24	32	40	50	56	72	79	83	77	58	53	47	25	12	5	5	4	35
14	2	4	7	14	25	20	11	14	36	42	59	64	71	73	88	98	83	69	49	42	7	6	0	0	37
15	0	0	1	3	4	3	2	10	18	32	37	45	50	59	60	58	44	34	24	9	5	18	12	4	22
16	1	1	8	10	3	8	15	10	14	17	16	26	36	36	35	35	37	***	37	32	30	29	25	22	21
17	28	27	21	19	18	12	6	6	8	10	8	12	16	18	18	18	18	17	13	7	0	0	0	0	13
18	0	0	0	0	0	0	0	9	13	25	36	49	44	53	58	57	44	31	16	11	4	6	10	4	20
19	5	7	8	8	1	0	2	8	20	24	26	38	49	52	52	53	43	27	23	19	16	15	13	13	22
20	12	12	11	11	10	9	7	9	10	13	16	17	18	18	19	19	19	16	12	5	0	0	0	4	11
21	5	8	9	14	6	0	0	2	4	6	14	20	***	37	30	25	19	23	17	2	0	0	0	0	10
22	0	0	0	0	0	0	0	1	3	23	43	57	61	51	59	68	74	66	50	18	0	0	1	3	24
23	12	12	16	23	24	19	3	2	3	27	47	64	***	89	101	91	92	88	56	16	0	0	39	65	39
24	62	73	89	87	62	35	2	16	16	24	47	51	29	18	21	26	33	10	3	2	0	0	0	0	29
25	2	4	7	8	4	2	0	0	1	2	5	14	15	31	40	23	22	8	1	0	0	3	5	6	8
26	5	5	6	9	7	8	3	8	12	20	23	27	38	36	40	55	56	51	32	6	1	3	1	2	19
27	1	4	2	0	10	11	9	10	12	15	17	17	17	17	17	15	15	14	13	13	14	13	9	10	11
28	13	13	11	10	7	1	0	0	2	8	16	20	22	***	36	37	37	37	35	31	23	21	20	21	18
29	23	23	21	15	5	5	8	2	10	18	21	24	25	***	***	23	25	16	4	1	0	0	0	1	12
30	1	0	0	3	0	2	1	1	5	14	23	39	41	40	39	38	23	3	1	0	7	8	5	3	12
31	5	6	9	14	13	9	1	2	2	6	15	23	36	44	39	40	42	42	14	0	0	0	0	0	15
MEAN	10	11	13	14	13	10	6	8	14	22	31	38	41	46	47	46	45	39	29	18	9	9	9	9	22.1

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	8	6	8	8	2	3	9	20	30	44	51	58	69	63	72	76	49	14	10	2	5	10	26
2	11	7	1	0	0	0	2	20	40	***	56	65	69	85	93	82	74	80	69	45	38	46	44	72	43
3	71	70	61	43	29	30	8	24	50	55	65	62	68	50	61	53	41	23	14	16	17	12	7	9	39
4	9	12	12	14	13	9	10	12	17	22	28	35	40	50	48	49	41	29	17	14	12	17	8	3	22
5	5	0	3	3	2	2	3	6	7	11	17	24	***	32	48	75	77	58	39	9	0	1	0	2	18
6	20	29	18	13	0	2	21	15	32	64	69	63	60	55	61	53	48	42	49	91	75	51	53	55	43
7	53	48	42	34	29	21	5	6	9	12	11	15	18	26	28	10	16	20	11	14	14	11	13	13	20
8	14	15	18	16	14	7	9	11	9	3	4	12	14	16	17	21	6	2	1	1	1	7	7	9	39
9	5	4	14	4	7	8	3	16	16	21	23	28	31	35	37	35	31	24	8	0	0	14	19	21	17
10	21	26	28	30	26	21	12	9	7	9	4	7	17	27	31	28	26	14	4	0	0	0	0	0	14
11	0	0	0	0	0	0	0	0	4	12	34	43	54	61	54	48	43	38	29	6	4	14	19	24	20
12	17	22	23	18	11	5	0	0	0	0	3	5	10	7	3	2	5	3	3	0	0	0	0	4	6
13	8	10	11	10	6	0	0	0	11	13	13	10	15	12	9	11	12	9	12	4	9	19	19	19	10
14	20	20	15	15	9	3	3	3	5	8	10	13	***	***	27	18	18	28	21	28	25	7	6	4	14
15	5	3	18	22	17	10	0	8	18	19	19	21	23	23	23	24	21	19	18	10	19	34	33	24	18
16	30	25	22	22	22	15	5	9	13	15	18	20	25	25	19	24	25	14	7	4	3	3	0	0	15
17	0	0	0	0	0	0	0	0	3	3	6	6	7	7	9	13	13	11	9	5	0	0	0	0	4
18	0	0	0	7	17	12	10	8	9	12	10	9	***	14	14	11	13	12	16	0	3	3	3	6	8
19	14	17	19	14	10	7	2	2	2	9	5	15	16	25	28	12	17	6	3	1	1	1	1	1	10
20	0	0	0	2	2	2	2	2	4	19	23	30	36	40	38	37	***	17	14	17	10	0	0	0	13
21	0	0	0	0	0	0	0	0	0	13	11	9	9	8	13	15	12	15	9	7	7	10	8	9	10
22	11	12	12	9	5	2	3	4	6	9	14	15	***	15	13	14	18	8	0	0	0	0	0	2	7
23	4	3	2	2	2	2	3	5	6	14	21	30	36	35	40	31	24	17	8	2	0	0	0	0	12
24	0	0	0	0	2	3	7	15	17	34	50	53	57	58	54	51	53	51	16	7	14	10	24	30	25
25	37	30	25	21	17	9	4	10	17	20	20	18	19	19	19	***	10	9	3	3	2	2	1	2	14
26	3	3	4	3	3	3	2	2	6	9	17	23	30	29	31	26	24	22	10	2	3	6	0	0	11
27	8	17	15	8	7	3	4	9	6	28	39	46	53	50	58	46	53	44	11	18	12	15	15	17	24
28	23	22	17	16	15	9	4	7	12	18	20	21	23	20	19	13	14	7	3	3	3	3	3	3	12
29	0	0	0	0	0	0	0	0	3	9	***	27	29	31	31	33	27	16	10	15	17	9	4	0	19
30	0	0	0	0	0	0	0	0	4	14	25	21	33	44	44	43	33	23	20	35	15	36	39	21	19
MEAN	13	13	13	11	9	6	4	7	12	17	23	26	32	33	35	32	30	24	16	12	11	11	11	12	17.7

ONTARIO MINISTRY OF THE ENVIRONMENT -- AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - OCT 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	9	21	17	19	16	13	16	20	24	25	23	26	23	24	23	24	14	9	13	14	14	12	15	18	
2	14	7	9	12	11	3	3	4	9	17	16	19	24	35	33	34	34	17	2	0	0	0	0	0	13	
3	0	0	0	0	0	4	5	9	10	17	15	14	17	18	20	20	14	****	20	16	16	8	9	9	10	
4	27	28	28	23	16	7	6	4	6	8	11	15	16	17	17	16	12	6	3	2	0	0	1	0	11	
5	0	0	0	0	0	0	0	0	3	7	11	14	14	12	11	10	10	12	14	14	21	29	15	7	9	
6	0	10	15	10	4	2	0	0	3	5	5	4	14	16	15	16	17	16	11	11	10	10	11	13	9	
7	15	15	16	17	17	15	11	16	18	22	23	23	28	27	25	24	22	19	15	15	14	11	8	14	18	
8	15	16	17	17	19	18	15	15	17	19	20	21	20	20	19	19	17	17	10	3	0	0	0	0	14	
9	0	0	0	0	0	0	0	0	3	7	16	24	27	30	30	30	30	29	21	16	21	13	4	20	24	
10	24	24	26	27	24	15	7	4	10	18	27	34	42	45	47	45	37	36	****	4	9	14	10	3	23	
11	0	1	2	1	1	0	0	0	2	5	13	22	26	31	25	17	7	3	4	6	3	0	13	25	9	
12	22	28	27	23	15	6	2	8	18	25	25	24	29	29	34	27	23	5	****	23	21	12	10	9	19	
13	13	14	16	10	4	1	0	1	6	9	14	14	16	16	16	16	14	5	5	5	4	5	7	11	9	
14	11	11	11	11	13	13	8	7	7	7	10	9	12	13	13	18	17	14	16	14	16	14	6	4	11	
15	4	4	3	1	1	1	2	4	13	19	21	***	23	24	23	22	18	10	3	0	0	0	0	0	7	
16	0	3	7	9	6	2	0	0	4	11	19	23	17	17	12	13	12	6	0	0	0	0	0	0	7	
17	0	0	0	0	0	0	0	0	0	4	12	19	24	26	27	25	17	5	2	0	0	0	0	0	4	
18	0	3	6	0	0	0	0	3	4	6	11	10	8	14	9	9	3	3	0	0	0	0	0	0	4	
19	0	2	9	10	7	2	0	0	0	1	****	8	11	4	1	2	1	1	0	0	2	10	13	16	4	
20	13	11	9	7	5	2	0	0	0	8	15	17	16	18	21	17	9	8	5	0	4	6	9	7	9	
21	10	8	8	9	3	0	1	0	0	1	16	29	38	40	41	37	41	41	42	48	28	15	27	21	21	
22	20	9	20	28	29	29	22	15	22	26	26	33	42	44	43	42	41	46	35	24	23	27	26	13	29	
23	17	24	20	19	17	13	5	3	3	7	12	****	17	18	20	17	15	15	16	8	0	0	0	0	12	
24	0	0	0	0	0	0	0	0	1	8	17	20	20	20	21	18	13	6	****	8	3	0	0	0	7	
25	0	0	3	4	1	0	0	0	3	6	8	11	14	18	17	14	9	21	22	21	19	20	16	20	10	
26	21	19	18	18	16	7	5	2	3	5	3	7	12	9	10	8	4	6	3	0	0	2	3	3	8	
27	4	11	14	14	12	7	1	3	9	14	16	13	15	16	12	****	12	6	11	9	14	15	11	7	11	
28	7	9	5	2	3	3	2	3	7	16	21	23	25	21	21	19	15	7	9	9	6	9	11	9	11	
29	4	3	2	4	5	7	3	3	3	4	5	11	10	11	17	19	13	6	0	0	0	0	0	0	10	
30	17	16	14	13	15	18	6	0	11	15	15	14	16	17	20	9	6	0	-	-	0	0	0	0	10	
31	2	8	10	12	8	2	2	1	1	4	12	18	24	22	24	17	15	9	8	8	8	9	7	4	10	
MEAN	9	9	11	10	9	6	4	4	7	11	15	18	21	22	21	20	17	13	10	10	8	8	8	8	11.6	

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - NOV 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	4	5	4	3	1	0	0	2	11	23	22	23	24	19	7	0	****	0	0	0	0	0	0	7
2	1	6	3	2	2	2	4	7	15	18	20	25	23	26	26	26	15	6	****	0	6	3	0	0	0	10
3	0	0	0	0	0	0	0	0	0	2	5	9	18	13	17	12	5	3	0	0	0	0	0	0	4	
4	0	0	0	0	0	0	0	0	0	1	2	4	13	10	5	5	11	1	0	0	5	3	0	6	3	
5	0	0	0	0	0	0	0	0	0	1	2	7	19	25	30	35	30	27	9	12	24	29	33	31	13	
6	34	33	31	29	27	20	11	3	1	1	1	1	3	2	1	1	2	2	3	5	6	1	3	3	9	
7	8	6	7	11	12	10	5	3	2	4	6	9	13	14	15	11	3	0	0	0	0	0	0	0	6	
8	0	0	0	1	1	2	2	0	0	0	3	7	11	11	12	12	10	5	0	1	1	4	3	0	4	
9	5	9	14	17	17	15	9	5	7	9	10	12	14	18	17	15	7	0	****	0	0	0	0	0	0	9
10	0	0	0	0	0	0	0	0	0	1	2	3	6	7	5	4	1	1	1	0	1	0	0	0	0	1
11	0	0	0	0	0	0	0	0	1	4	8	12	19	16	8	15	9	3	4	3	4	4	6	5	5	
12	5	8	10	11	16	17	17	12	14	12	8	7	****	2	2	2	2	2	4	3	0	0	0	0	0	7
13	2	4	8	9	6	2	0	0	0	0	0	3	5	1	1	0	0	0	0	0	0	0	0	0	2	
14	8	8	8	8	9	13	18	12	7	9	9	12	16	13	11	12	8	8	7	9	10	11	12	14	11	
15	17	18	20	20	19	19	10	5	6	8	11	12	11	11	12	9	4	0	0	0	0	0	0	0	0	9
16	0	0	0	0	1	1	1	0	1	4	11	15	18	16	15	16	12	****	3	6	8	10	12	15	7	
17	17	17	17	15	12	7	3	4	4	3	3	4	4	4	4	4	3	3	4	5	6	8	7	7	8	
18	2	3	4	7	8	10	15	18	19	19	18	17	17	18	18	16	11	8	7	7	7	7	8	6	11	
19	6	7	10	14	12	10	9	12	20	22	21	20	****	21	20	19	17	13	11	10	6	2	3	8	13	
20	16	19	18	19	19	15	6	4	7	7	7	7	4	5	7	7	2	0	0	2	3	5	8	13	9	
21	12	14	17	14	11	8	7	5	4	6	7	7	7	7	9	7	5	2	3	3	3	9	12	14	8	
22	17	20	20	20	19	17	11	11	12	14	15	17	15	18	16	13	8	****	4	5	5	5	4	3	13	
23	2	3	3	4	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
24	0	1	3	3	4	2	1	0	0	1	2	4	6	5	5	3	2	****	1	5	14	15	17	18	5	
25	18	19	19	21	21	20	19	9	6	9	10	12	15	15	14	11	9	10	8	1	0	0	0	0	7	
26	8	8	9	8	10	10	9	7	9	13	14	13	****	13	13	8	4	5	1	0	0	1	6	6	10	
27	19	19	14	9	7	6	9	14	17	19	14	16	14	10	12	7	5	1	6	9	10	11	8	6	7	
28	8	9	9	9	9	10	1	0	0	3	6	8	10	8	8	9	7	****	1	1	0	0	3	2	5	4
29	9	5	4	4	4	5	1	0	0	3	6	8	8	8	8	18	19	14	10	6	5	6	7	9	3	10
30	7	6	6	8	10	10	14	13	9	11	14	16	19	****	18	19	14	10	6	5	6	7	9	3	10	
MEAN	7	8	9	9	9	8	7	5	5	7	8	11	12	12	12	11	7	4	3	4	4	5	6	6	7.4	



POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	5	5	5	6	9	9	4	3	5	5	3	4	1	0	0	1	1	1	1	0	0	1	1	3
2	11	17	20	21	18	14	14	13	12	***	18	22	23	23	23	13	8	7	2	0	0	0	0	0	12
3	0	0	0	0	1	2	1	7	13	11	17	11	9	4	5	4	1	1	1	1	1	0	0	0	4
4	0	1	6	12	11	11	6	3	2	7	11	14	13	13	11	13	11	10	10	10	12	13	9	8	9
5	15	15	16	13	12	11	10	6	6	7	11	12	12	12	9	6	***	4	2	7	10	7	7	6	9
6	7	5	4	2	0	0	0	0	1	4	5	7	9	7	8	9	4	0	0	2	2	5	7	7	4
7	9	9	12	11	6	1	1	***	2	2	4	6	4	5	3	3	1	***	0	0	0	0	0	0	4
8	0	0	0	0	0	0	0	0	0	0	0	0	4	5	6	3	3	1	0	1	1	2	1	1	
9	2	2	6	8	10	11	11	7	4	9	14	16	15	15	14	14	13	12	9	9	11	12	12	13	10
10	13	12	13	14	14	15	15	16	15	17	17	17	16	15	15	14	12	12	12	12	11	11	11	10	14
11	12	11	10	11	10	9	6	5	4	4	9	12	13	12	11	5	0	0	0	0	0	0	0	0	6
12	1	2	1	1	3	5	5	4	2	7	11	12	13	10	8	6	5	0	1	1	0	0	0	2	4
13	1	1	2	7	10	12	12	8	8	10	9	8	10	10	13	11	9	8	9	11	12	14	16	16	9
14	18	18	19	20	21	23	18	7	4	6	11	14	15	14	13	9	8	5	***	10	10	11	12	11	13
15	11	11	10	11	10	10	8	4	2	0	2	4	12	12	11	9	6	3	2	3	1	0	0	1	6
16	2	2	1	0	0	0	0	0	0	3	3	4	5	4	1	2	1	0	0	0	0	0	1	3	1
17	2	1	1	12	22	23	24	24	23	22	22	22	21	21	21	20	17	18	20	19	17	16	15	12	17
18	19	15	8	7	6	7	4	2	1	3	7	9	9	8	10	8	7	6	2	0	3	1	0	3	6
19	2	2	2	4	3	1	3	4	3	7	9	12	14	12	10	2	1	0	0	1	1	3	1	0	4
20	0	0	0	0	0	0	3	6	6	3	6	7	6	3	4	2	3	3	3	1	0	0	0	0	2
21	0	0	0	0	57	59	63	67	71	73	76	75	18	21	22	21	14	4	5	7	9	10	7	7	29
22	9	10	10	12	10	12	10	3	2	0	1	1	4	5	6	7	6	7	7	6	5	10	13	14	7
23	19	19	18	16	17	15	14	11	7	9	12	15	17	18	17	12	6	0	0	0	0	0	0	0	10
24	0	0	0	1	6	11	14	13	12	12	9	9	5	2	1	1	2	3	4	4	4	4	3	6	6
25	5	4	1	6	2	1	6	7	4	5	12	16	16	17	18	18	19	19	19	18	18	19	19	11	11
26	20	20	21	20	19	18	17	15	12	13	15	18	16	17	17	18	14	11	9	11	12	13	12	15	15
27	12	15	18	20	19	19	16	11	9	12	15	15	17	17	16	15	13	11	9	11	13	12	11	10	14
28	10	11	12	12	11	11	3	0	0	2	5	10	9	13	15	14	2	0	0	0	0	0	0	0	6
29	1	1	3	3	3	3	4	1	0	***	0	0	0	2	7	7	4	6	4	4	5	8	7	6	3
30	6	8	14	14	12	9	6	4	4	6	8	8	7	6	4	1	0	0	0	0	0	0	0	0	5
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	7	7	8	8	10	10	10	8	7	9	11	12	11	11	10	9	6	5	4	5	5	5	5	5	8.0

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - OZONE-CHEMILUMINESCENT

## UNITS - PARTS/BILLION

## STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	12.5	32	45
FEB	28	17.0	29	60
MAR	31	25.2	35	76
APR	30	25.6	35	55
MAY	31	28.6	51	129
JUN	29	25.7	46	104
JUL	25	27.6	56	91
AUG	31	22.1	39	101
SEP	30	17.1	43	93
OCT	31	11.6	29	48
NOV	30	7.4	13	35
DEC	31	8.0	29	76
YEAR	358	19.0	56	129

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 46110		QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA											
MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL				
JAN	343	209	151	30	0	0	0	0	733				
FEB	222	195	157	88	4	0	0	0	666				
MAR	136	131	188	260	27	0	0	0	742				
APR	120	116	198	276	9	0	0	0	719				
MAY	187	84	138	225	85	10	9	0	738				
JUN	187	128	136	179	56	13	2	0	701				
JUL	162	123	105	129	94	8	0	0	621				
AUG	284	153	98	104	84	13	1	0	737				
SEP	331	172	86	68	50	4	0	0	711				
OCT	371	236	98	29	0	0	0	0	734				
NOV	507	174	22	6	0	0	0	0	709				
DEC	487	221	22	0	8	0	0	0	738				
YEAR	3337	1942	1399	1394	417	48	12	0	8549				

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.6	0	0.0	6.4	14.7	24.9	40.4	52.0	68.5	75.9	129	19.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 47030															MUCK RES STN HWY 400/CANAL RD HOLL MARSH										MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN											
1																																				
2																																				
3																																				
4																																				
5																																				
6	0	0	0	0	0	0	1	13	25	33	46	53	49	58	62	58	52	48	37	38	11	14	15	10	26											
7	2	16	7	17	23	16	20	28	25	26	25	22	13	15	24	20	39	39	36	23	11	24	12	12	21											
8	10	10	10	13	20	14	13	13	29	39	19	31	28	29	28	26	21	16	13	13	14	20	23	19	20											
9	31	31	28	27	4	5	16	25	30	33	36	36	38	44	38	36	37	39	30	20	20	4	4	3	26											
10	0	0	0	0	0	0	3	10	24	29	36	35	48	56	64	75	71	63	60	45	37	9	31	31	30											
11	38	65	49	53	32	28	40	44	46	62	73	75	83	83	86	81	83	81	71	53	23	44	64	68	59											
12	68	59	51	46	35	33	35	39	48	62	72	80	44	52	50	45	34	20	34	40	19	14	13	13	42											
13	11	13	13	13	12	9	9	12	13	16	18	18	21	27	30	31	35	35	30	27	14	16	12	16	19											
14	13	8	11	14	9	6	16	24	29	29	34	31	31	29	32	32	34	27	24	19	7	3	4	6	20											
15	12	10	12	10	3	3	6	21	28	34	36	38	41	46	55	52	45	44	39	26	5	2	0	0	24											
16	7	33	19	6	0	0	4	17	27	41	59	71	66	69	78	87	72	65	57	51	51	52	49	42	43											
17	38	26	38	39	32	34	36	31	34	38	49	61	54	43	66	82	89	87	76	63	50	66	44	54	51											
18	58	35	31	47	34	39	38	31	21	43	52	50	54	40	39	35	35	45	47	27	35	21	2	2	36											
19	7	7	3	2	2	1	5	11	26	32	32	36	45	51	45	42	42	59	52	35	23	22	3	2	24											
20	0	0	0	0	0	0	0	18	18	44	***	60	66	69	69	70	75	124	104	61	44	22	22	20	39											
21	15	13	0	0	1	12	31	26	18	17	24	54	84	65	61	63	62	41	38	32	24	3	0	1	29											
22	3	3	7	6	2	1	11	19	24	27	30	32	34	33	32	36	36	37	29	8	1	1	3	2	17											
23	0	13	16	20	13	11	17	25	26	26	25	23	24	26	23	22	19	19	16	4	1	4	0	0	16											
24	0	0	0	0	0	0	8	12	18	28	39	52	61	68	74	74	74	69	71	30	4	2	0	0	29											
25																																				
26																																				
27																																				
28																																				
29																																				
30																																				
MEAN	16	18	16	16	12	11	16	22	27	35	39	45	46	47	50	50	50	50	44	31	20	17	15	15	29.6											

PERCENTAGE OF DATA VALID - 64.9

PERCENTAGE OF DATA INVALID - 20.1

PERCENTAGE OF DATA UNAVAILABLE - 15.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT											UNITS - PARTS/BILLION															
STATION - C NO 47030											MONTH - JUL 78															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1												- DATA INVALID -														
2												- DATA INVALID -														
3												- DATA INVALID -														
4												- DATA INVALID -														
5												- DATA INVALID -														
6												- DATA INVALID -														
7												- DATA INVALID -														
8												- DATA INVALID -														
9												- DATA INVALID -														
10												- DATA INVALID -														
11	****	****	****	****	****	****	****	****	****	****	22	26	32	36	35	34	37	37	34	25	7	1	1	0	*****	
12	1	0	1	1	0	0	5	20	28	42	42	41	****	45	46	46	60	53	49	35	23	6	3	0	24	
13	0	0	0	2	3	4	11	39	43	51	43	40	86	****	70	58	55	63	43	40	27	29	23	3	32	
14	6	4	4	6	18	8	9	15	29	34	39	41	49	46	34	35	37	40	31	22	6	1	0	0	21	
15	0	0	0	0	0	0	1	13	23	41	68	74	85	80	78	70	76	63	56	45	31	17	12	10	35	
16	10	4	5	5	2	2	3	8	11	14	20	19	25	28	30	29	29	27	19	6	2	0	3	0	13	
17	1	1	0	1	1	0	2	6	16	29	30	29	32	****	35	34	34	32	25	3	0	0	0	0	14	
18	0	0	0	0	0	0	0	1	18	32	46	66	71	67	60	59	61	47	34	39	43	55	48	46	33	
19	40	40	32	41	52	41	17	16	15	34	44	76	78	69	71	89	88	72	74	78	28	33	21	22	49	
20	54	51	27	43	24	15	22	44	57	78	81	82	81	76	73	68	60	69	78	58	34	31	11	7	51	
21	6	0	0	0	0	20	24	28	26	22	27	38	41	45	42	31	31	31	30	21	18	5	7	0	21	
22	0	0	0	1	0	0	0	16	29	35	51	66	86	85	63	56	63	52	34	25	40	60	75	71	38	
23	72	75	65	49	29	34	46	43	36	36	32	29	20	18	27	28	28	29	25	10	0	5	0	0	31	
24	0	0	0	0	0	0	0	5	19	27	31	32	40	54	46	39	35	32	19	8	14	2	1	0	17	
25	40	43	47	38	39	32	29	28	30	50	57	57	66	65	64	65	71	71	61	57	26	25	25	39	47	
26	40	43	47	38	39	32	29	28	30	50	57	57	66	65	64	65	71	71	61	57	26	25	25	39	47	
27	46	31	30	37	28	17	17	26	27	41	46	48	49	45	41	25	30	30	24	17	13	13	8	29		
28	11	13	16	14	10	5	6	10	14	23	24	27	33	28	24	25	25	25	15	8	0	0	0	0	15	
29	0	0	0	0	4	7	15	16	18	20	25	27	24	26	24	25	34	42	43	37	40	32	29	26	21	
30	24	20	17	13	12	13	13	14	14	21	22	23	29	32	35	37	37	34	22	12	2	0	0	0	19	
31	0	0	0	0	****	0	3	12	26	36	41	47	54	56	58	62	64	51	35	28	24	11	0	0	26	
MEAN	16	14	12	13	12	10	11	18	25	35	40	45	52	51	49	48	49	47	39	31	22	19	14	12	28.7	

PERCENTAGE OF DATA VALID - 65.9 PERCENTAGE OF DATA INVALID - 34.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - C NO 47030 MUCK RES STN HWY 400/CANAL RD HOLL MARSH													MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	****	1	0	0	0	0	0	34	43	49	63	66	77	72	67	70	64	58	61	33	39	6	0	0		35
2	1	0	0	0	0	0	1	3	53	58	66	75	79	98	85	78	70	71	84	91	83	83	82	72	51	
3	64	59	51	39	36	41	41	38	36	42	23	36	46	49	49	47	49	35	33	30	13	14	14	6	37	
4	11	18	6	6	2	1	4	11	19	21	27	24	27	35	29	28	22	16	9	16	8	0	0	0	14	
5	0	0	0	0	0	0	0	3	14	32	35	54	62	75	78	82	84	71	58	38	20	22	13	1	31	
6	0	0	0	0	0	0	0	23	27	61	85	93	100	100	102	106	110	94	52	59	34	10	0	0	44	
7	0	0	0	0	0	0	0	3	30	53	77	80	79	81	75	77	77	79	78	24	27	14	20	6	37	
8	5	2	4	1	0	0	1	3	26	41	50	54	73	80	85	79	79	95	98	103	89	83	79	80	50	
9	80	78	79	67	56	34	23	20	17	25	28	30	32	47	45	42	41	40	22	4	4	1	1	2	34	
10	2	3	4	1	1	0	0	6	15	26	32	44	44	44	44	45	48	48	31	15	2	0	0	0	19	
11	0	0	0	0	0	0	0	0	10	51	59	66	73	77	80	80	85	85	69	58	31	0	0	0	34	
12	0	0	0	0	0	0	2	7	25	50	71	88	96	99	97	96	97	93	79	37	3	0	0	0	39	
13	0	0	2	0	0	0	0	15	54	78	90	94	94	91	88	75	60	49	18	3	0	0	0	2	34	
14	3	3	0	0	0	5	0	7	59	75	101	116	111	110	104	105	****	****	****	****	****	****	****	****	50	
15																										
16	****	****	****	****	****	****	****	30	31	45	43	66	76	83	91	83	86	83	78	68	66	66	68	66	66	
17	47	37	27	22	18	21	9	9	17	11	14	20	25	25	22	21	19	20	12	17	18	12	0	0	18	
18	0	0	1	1	0	0	1	3	13	41	34	80	95	79	50	54	78	50	59	37	44	48	31	51	35	
19	37	20	23	45	37	36	31	31	31	37	69	71	****	44	80	82	46	13	40	34	22	36	37	19	40	
20	16	16	20	16	15	12	14	18	24	34	41	44	54	70	54	41	39	35	11	1	2	1	1	2	24	
21	0	0	0	0	0	0	0	5	7	36	64	71	81	95	98	96	92	86	51	0	0	0	0	0	33	
22	0	0	0	0	0	0	0	3	55	92	102	107	112	116	113	95	89	80	43	20	9	1	4	2	43	
23	0	1	1	2	1	1	0	1	13	77	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
24																										
25																										
26																										
27																										
28																										
29																										
30																										
31																										
MEAN	13	11	10	10	8	7	6	12	28	47	56	66	72	75	73	71	67	60	49	35	26	20	18	15	35.5	

PERCENTAGE OF DATA VALID - 66.8 PERCENTAGE OF DATA INVALID - 33.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 47030 MUCK RES STN HWY 400/CANAL RD HOLL MARSH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN	19	29.6	59	124
JUL	20	28.7	51	90
AUG	21	35.5	66	116
SEP		DATA UNAVAILABLE		
YEAR	60	31.3	66	124

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 47030 MUCK RES STN HWY 400/CANAL RD HOLL MARSH

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN		DATA UNAVAILABLE							
FEB		DATA UNAVAILABLE							
MAR		DATA UNAVAILABLE							
APR		DATA UNAVAILABLE							
MAY		DATA UNAVAILABLE							
JUN	107	80	68	126	73	11	2	0	467
JUL	142	56	84	118	77	13	0	0	490
AUG	176	46	34	82	94	50	15	0	497
SEP		DATA UNAVAILABLE							
YEAR	425	182	186	326	244	74	17	0	1454

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
65.9	0	0.0	10.7	26.6	41.5	74.2	82.6	94.7	101.7	124	31.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE															MONTH - JAN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	25	24	24	25	26	28	28	28	29	29	28	26	23	23	23	24	24	25	25	24	23	24	25	25
2	27	27	27	26	26	26	26	24	19	22	26	26	28	30	29	27	21	15	14	14	15	16	15	12	22
3	13	13	13	15	14	17	16	7	7	18	26	27	29	28	28	26	20	14	11	14	15	13	13	21	17
4	24	5	14	24	22	22	12	2	3	5	9	8	11	11	8	4	4	3	2	0	2	10	18	10	
5	20	22	22	22	23	24	16	6	7	8	13	20	21	20	17	8	2	0	0	6	17	21	23	25	
6	24	24	26	22	23	23	24	22	23	23	25	26	27	28	29	28	28	27	28	24	26	29	29	26	
7	26	25	24	23	23	24	24	24	23	23	22	22	19	18	15	17	16	15	12	10	8	6	4	1	
8	0	2	2	3	4	5	7	8	11	12	13	14	14	11	7	5	2	0	0	0	2	4	7	18	
9	11	16	17	18	19	19	22	23	21	23	23	22	23	-	23	22	22	20	20	21	21	21	22	20	
10	22	23	23	23	24	24	25	24	23	22	22	26	29	29	29	29	28	28	28	27	28	28	29	26	
11	30	30	31	31	32	32	31	29	28	27	27	27	26	27	27	27	26	25	26	28	30	31	30	29	
12	27	26	25	24	24	24	25	23	23	22	24	25	26	27	28	28	21	16	16	18	6	4	11	21	
13	18	22	22	21	21	21	22	21	16	16	19	19	20	20	20	18	18	18	20	20	20	21	21	20	
14	20	20	20	22	22	21	23	25	23	22	20	20	18	18	20	21	22	22	22	21	20	20	22	21	
15	21	21	21	22	23	23	22	20	21	23	24	24	24	24	24	24	20	10	19	18	19	19	20	20	
16	20	17	20	25	26	26	24	14	13	18	21	25	28	29	30	29	27	19	12	13	14	7	3	1	
17	1	2	8	19	22	22	24	21	20	20	22	21	25	25	25	20	21	22	23	24	24	24	24	20	
18	26	26	25	22	21	21	21	23	24	23	23	22	24	***	28	27	24	21	21	23	24	23	20	21	
19	23	22	22	24	24	23	6	0	2	7	15	24	25	23	25	25	19	19	19	20	22	22	24	26	
20	25	26	27	28	27	26	25	25	24	24	24	24	24	23	23	21	22	22	23	25	26	27	27	25	
21	26	26	26	28	28	27	25	24	24	24	23	24	28	28	27	26	24	20	13	11	9	9	10	8	
22	8	10	11	16	17	15	9	10	20	20	23	25	32	32	32	33	27	20	6	0	1	5	7	3	
23	4	4	4	5	10	11	10	13	15	11	18	21	26	28	26	19	10	4	0	0	2	7	6	5	
24	1	1	3	1	0	0	0	2	4	7	17	23	28	22	10	6	3	0	0	0	1	1	0	0	
25	0	0	0	0	0	0	0	0	0	7	10	13	13	11	10	7	5	2	3	8	13	10	10	6	
26	13	12	7	5	7	9	10	8	1	4	8	15	14	14	15	13	13	12	11	12	13	15	17	11	
27	21	22	22	20	20	20	20	18	18	18	19	19	22	22	22	22	22	21	19	20	20	21	22	23	
28	22	21	22	23	23	23	23	19	19	20	21	22	23	25	25	23	21	18	13	14	15	17	18	20	
29	18	19	19	19	19	19	19	20	20	20	20	22	22	22	22	22	21	20	19	19	19	18	17	17	
30	22	21	20	17	21	21	19	18	17	18	20	22	25	26	27	26	23	12	6	3	5	5	5	16	
31	24	26	22	21	19	18	15	14	12	16	21	23	29	32	31	31	27	21	13	10	13	25	25	24	
MEAN	18	18	18	19	20	20	18	17	17	18	20	22	23	23	23	21	19	16	15	15	15	16	16	17	

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION																											
STATION - C NO 48002														TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE														MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN																
1	28	28	28	28	28	27	20	10	10	17	21	27	31	33	33	32	30	26	23	25	26	27	25	27	25																
2	24	25	25	15	11	14	12	4	5	11	28	30	40	42	40	39	37	22	15	10	3	0	0	8	19																
3	26	25	24	19	19	21	14	1	4	9	21	25	28	28	29	26	24	19	18	17	15	17	19	20	20																
4	21	21	21	21	21	20	20	19	22	24	25	28	29	31	32	32	32	17	7	4	5	7	9	4	19																
5	7	19	23	26	27	26	26	26	26	25	26	26	25	27	28	30	29	27	26	27	27	26	26	27	25																
6	24	24	25	25	25	24	22	22	21	22	23	24	24	23	23	23	24	24	24	24	25	26	23	24	24																
7	21	21	22	21	21	22	21	21	21	23	24	24	24	26	27	28	26	24	24	23	22	22	21	22	23																
8	24	26	25	25	25	26	24	21	18	22	24	25	28	29	31	31	28	22	12	15	23	24	23	24	24																
9	25	26	26	25	23	21	23	22	22	26	27	28	30	32	33	32	27	19	17	11	16	19	13	19	23																
10	23	27	26	28	30	27	23	21	23	29	30	35	35	35	38	36	32	14	0	0	7	30	32	30	25																
11	30	36	38	36	34	32	30	25	28	29	29	29	31	32	32	32	30	29	27	26	29	30	30	27	30																
12	29	30	30	30	31	31	31	31	30	30	30	30	31	31	31	31	30	27	25	23	24	25	26	24	29																
13	26	27	30	29	29	27	25	26	28	29	30	35	36	35	35	35	31	23	24	26	23	21	27	25	28																
14	26	26	28	27	26	26	24	21	23	24	25	26	30	30	30	31	25	6	3	4	5	10	16	22	22																
15	20	22	20	22	21	15	14	0	16	26	24	24	***	36	32	23	15	5	0	3	0	0	0	15	15																
16	0	0	0	0	0	0	0	6	12	17	25	28	31	35	36	30	21	16	17	14	17	7	0	4	13																
17	30	25	24	28	27	28	12	6	16	24	27	32	38	41	39	41	39	31	13	8	16	29	22	18	26																
18	6	0	0	0	0	0	0	3	7	18	29	32	37	42	43	38	34	29	24	25	22	21	21	12	18																
19	11	18	18	22	21	23	23	23	25	29	29	31	34	34	34	34	34	27	7	7	6	8	7	3	21																
20	4	4	11	15	19	15	9	4	8	20	28	34	43	52	44	39	31	38	25	3	2	6	13	15	20																
21	20	24	26	34	36	37	34	35	33	40	41	41	46	45	43	39	37	37	29	28	28	28	28	29	34																
22	27	28	29	31	30	28	28	26	26	29	30	30	29	30	30	30	30	29	28	26	27	28	29	32	29																
23	33	32	34	31	31	27	15	5	14	24	30	30	37	38	38	50	48	32	35	33	43	39	33	26	32																
24	27	24	21	20	20	26	26	21	21	29	30	31	34	32	35	37	32	35	32	28	13	22	25	27	25																
25	20	20	20	18	16	18	25	28	24	26	27	27	29	29	31	30	29	25	23	25	20	26	24	25	24																
26	25	26	26	26	28	28	24	26	29	28	29	30	31	31	32	32	30	30	29	29	29	27	23	25	28																
27	26	25	28	30	26	21	15	14	21	28	31	32	34	35	33	35	33	20	15	16	2	31	29	26	28																
28	33	35	31	32	29	34	22	12	16	24	31	40	46	53	51	53	50	41	19	7	3	0	0	0	28																
MEAN	22	23	24	24	23	23	20	17	19	24	28	30	33	35	34	34	31	25	20	17	18	19	19	19	24.2																

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	STATION - C NO 48002					TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE										MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	6	6	17	37	38	40	36	32	34	38	41	38	47	49	50	44	42	30	25	28	28	23	26	28	33		
2	26	29	33	30	32	29	27	22	26	31	35	37	38	38	38	38	34	28	8	0	2	14	34	36	28		
3	37	37	38	37	38	39	35	35	35	38	37	38	37	38	37	38	39	38	36	35	34	32	38	40	41		
4	41	43	43	43	41	39	26	25	25	25	25	26	28	31	32	32	32	30	26	20	27	21	27	15	30		
5	17	19	24	27	29	31	32	32	32	34	35	36	38	36	36	36	38	40	30	43	49	50	45	38	34		
6	39	38	40	38	35	32	25	23	29	35	38	43	45	45	43	39	37	37	35	36	35	38	38	38	37		
7	40	41	41	41	39	38	35	30	32	35	36	37	37	37	37	37	36	31	31	32	34	32	34	34	36		
8	34	36	36	36	36	34	26	23	31	34	36	39	41	40	41	44	44	41	31	7	11	10	23	27	32		
9	30	24	31	35	31	19	8	21	25	25	29	32	***	40	46	52	47	26	1	0	5	6	11	32	25		
10	27	3	2	0	4	0	10	25	37	45	55	69	78	81	86	92	79	80	72	19	45	59	62	50	45		
11	47	40	37	42	50	58	61	41	47	37	44	41	45	45	31	46	44	45	37	76	87	83	68	69	51		
12	62	55	51	61	62	68	74	61	56	60	57	54	50	49	51	54	50	45	35	29	33	29	29	31	50		
13	27	27	29	32	31	18	2	7	28	30	33	34	44	55	59	68	55	58	62	65	65	60	58	53	42		
14	49	56	65	63	58	54	51	47	53	51	55	49	31	25	27	35	40	44	51	50	48	45	43	44	47		
15	45	41	38	40	38	37	35	34	32	34	36	37	***	36	35	37	34	33	28	28	23	30	34	34	35		
16	34	35	37	35	34	34	31	31	36	36	40	48	57	60	59	57	54	46	33	32	32	5	0	2	36		
17	20	28	38	39	35	33	39	40	36	40	42	50	48	50	52	47	30	16	20	14	36	29	29	31	35		
18	35	35	36	35	34	35	34	25	34	36	42	47	52	57	49	54	51	55	54	39	30	33	29	21	40		
19	33	32	32	32	30	32	37	39	38	37	35	37	37	38	37	37	37	37	38	37	37	36	36	36	36		
20	35	35	37	37	30	30	21	30	36	33	35	35	38	***	43	43	39	36	30	35	38	35	37	36	35		
21	38	35	33	34	32	30	18	21	21	7	7	10	20	23	26	29	32	30	38	42	44	47	47	49	30		
22	50	50	50	51	52	51	44	37	38	48	50	53	57	57	54	51	38	29	19	14	3	7	10	31	39		
23	34	35	37	38	39	39	34	32	***	***	40	42	47	41	38	40	35	35	28	22	25	31	33	32	35		
24	30	26	26	26	26	29	31	29	31	33	36	38	40	42	42	44	45	45	41	31	31	35	35	34	34		
25	36	36	35	37	36	38	42	40	38	37	40	42	42	43	47	47	44	41	44	43	41	40	37	37	40		
26	36	32	34	35	34	30	30	30	30	30	28	30	31	31	31	31	31	31	31	31	31	31	31	31	35		
27	35	34	32	32	33	32	29	29	30	32	32	35	39	41	44	41	37	36	36	36	37	36	36	36	35		
28	41	41	43	45	39	38	27	19	10	16	23	29	32	32	30	25	21	24	22	11	2	3	24	24	26		
29	27	34	36	37	38	36	32	33	32	33	32	34	34	35	33	34	33	35	34	33	29	26	19	25	32		
30	29	28	27	30	33	31	27	28	29	37	42	***	40	44	45	45	46	48	43	30	41	40	40	35	36		
31	31	30	29	28	28	26	23	29	35	39	47	39	49	52	51	49	48	38	33	37	36	34	36	36	37		
MEAN	35	34	35	37	36	35	32	31	33	35	38	39	42	43	43	44	41	38	34	31	33	33	34	34	36.1		

PERCENTAGE OF DATA VALID - 99.2      PERCENTAGE OF DATA INVALID - 0.8      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	STATION - C NO 48002					TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE										MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	33	30	29	29	26	26	24	24	18	34	41	43	36	28	29	30	30	31	32	32	32	32	31	32	31		
2	37	37	38	39	40	38	36	35	35	36	37	36	37	42	40	44	45	43	38	27	32	36	36	38	38		
3	40	39	39	38	36	36	36	33	30	33	36	35	36	35	32	31	29	30	32	34	35	35	32	26	34		
4	26	26	25	22	21	22	21	17	20	21	20	22	23	33	17	9	14	21	2	0	0	11	18	34	19		
5	38	36	40	43	44	50	46	44	41	41	46	49	47	46	42	45	43	41	29	12	11	14	13	17	37		
6	22	25	28	36	35	33	36	40	39	34	42	43	45	46	43	45	44	37	42	33	39	33	33	32	37		
7	30	28	28	23	19	17	16	19	22	25	29	29	29	38	32	30	29	28	30	29	30	29	27	26	27		
8	27	25	27	26	24	22	22	22	23	23	25	25	25	28	30	30	32	37	47	44	38	35	32	36	29		
9	49	41	42	41	43	43	45	47	49	52	54	55	58	58	59	58	58	60	48	46	42	32	39	29	48		
10	36	43	48	39	43	35	35	30	31	35	42	36	40	45	42	45	39	21	26	25	34	41	44	44	37		
11	47	41	36	33	20	14	17	15	10	6	3	2	3	13	18	31	26	28	26	31	43	40	43	38	24		
12	32	39	39	37	36	32	23	29	36	37	37	47	46	40	36	42	49	24	17	35	30	14	12	26	33		
13	34	45	44	48	45	40	34	36	34	35	31	31	38	34	31	27	31	42	40	34	35	38	39	41	37		
14	43	41	39	37	45	47	42	41	41	45	45	46	47	48	44	41	40	45	45	44	42	46	43	30	43		
15	38	35	45	45	43	42	39	42	43	40	38	35	35	37	32	35	36	32	35	34	32	34	32	29	37		
16	24	24	24	24	21	22	30	36	40	46	50	53	55	57	50	52	50	53	43	38	36	41	40	41	40		
17	47	52	53	46	48	44	44	45	50	54	57	61	65	64	65	65	66	57	52	44	39	36	44	43	52		
18	35	36	41	44	42	44	40	44	44	40	44	47	48	47	53	54	57	55	53	52	50	50	49	45	46		
19	47	47	44	46	42	42	37	39	36	33	35	35	37	39	40	38	41	41	50	48	47	45	45	44	42		
20	47	47	47	46	45	43	35	28	29	29	30	31	35	***	42	44	38	31	26	29	34	35	35	36	37		
21	37	35	36	38	35	32	28	28	29	29	41	40	44	48	45	48	46	46	48	46	45	42	44	46	40		
22	46	46	43	44	45	44	39	40	46	48	50	52	55	57	57	57	54	52	46	44	44	40	42	37	47		
23	36	37	44	48	44	46	42	48	51	56	59	59	60	63	56	52	58	53	35	12	5	4	5	14	41		
24	39	52	49	41	29	32	41	49	55	61	59	58	56	58	53	58	54	50	44	35	36	32	32	40	46		
25	46	48	49	50	47	48	47	49	53	60	60	60	60	58	59	57	54	57	53	47	13	20	7	37	52		
26	49	51	50	50	51	49	44	50	54	60	60	61	62	63	62	68	69	70	64	49	30	28	22	40	46		
27	43	42	42	39	41	43	46	50	53	49	54	55	56	57	55	53	44	43	42	41	33	32	36	46	46		
28	41	40	37	40	41	42	38	39	42	45	49	49	50	47	53	53	51	53	46	31	32	35	30	40	42		
29	29	33	39	51	49	45	41	42	42	44	50	50	53	50	46	45	41	44	39	36	34	30	34	36	43		
30	42	43	41	42	45	42	35	42	45	45	46	48	50	49	51	50	49	49	47	39	33	33	34	36	43		
MEAN	38	39	40	40	38	37	35	37	38	40	42	43	44	46	44	45	44	43	39	35	33	32	33	35	39.1		

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	36	34	35	40	35	32	27	27	26	28	30	30	30	31	31	30	32	37	38	31	39	33	36	38	33
2	36	34	34	31	31	29	32	36	36	39	***	42	42	42	41	42	40	40	38	40	41	35	29	26	36
3	31	31	32	39	30	26	30	34	45	48	52	49	50	50	46	45	45	50	52	44	41	37	32	37	41
4	45	47	45	47	38	18	28	43	43	47	48	50	48	45	48	41	43	44	47	46	39	42	44	44	43
5	42	44	46	43	37	30	27	25	30	35	41	42	40	43	45	45	47	46	44	45	45	45	43	40	40
6	40	41	36	32	34	30	29	26	24	25	23	23	24	27	25	26	32	20	24	26	29	36	39	44	30
7	40	39	41	44	48	51	48	49	50	58	64	66	65	63	60	63	61	62	61	48	46	44	45	42	52
8	42	43	47	40	30	30	40	34	30	28	31	47	58	61	58	56	52	49	48	47	42	48	45	39	44
9	38	30	23	23	26	28	21	7	8	14	36	51	58	54	52	54	54	52	50	49	48	45	40	37	37
10	38	36	34	36	36	34	35	37	38	29	24	23	26	29	29	34	36	31	34	37	25	23	8	8	30
11	11	9	10	11	10	9	11	14	21	30	39	53	61	61	66	69	65	68	61	51	42	56	43	49	38
12	46	48	53	55	51	56	50	48	42	40	37	45	***	53	49	38	55	57	59	55	52	53	59	59	50
13	59	49	43	38	39	44	45	47	48	49	50	54	57	54	51	42	43	51	56	54	50	53	51	57	49
14	56	42	42	45	47	47	44	49	45	52	41	43	40	41	39	41	42	46	48	52	50	54	62	57	47
15	61	59	62	57	57	56	54	48	43	33	37	38	37	46	49	50	47	50	50	51	50	53	54	52	50
16	50	49	47	47	42	35	38	42	43	49	55	47	50	53	55	55	55	58	56	32	31	45	36	34	46
17	36	36	44	45	39	32	35	31	38	29	32	34	41	41	46	49	55	51	51	49	40	42	17	16	39
18	16	16	24	24	15	10	5	11	17	26	30	43	44	***	***	53	63	59	52	40	12	4	10	20	27
19	19	24	16	23	21	14	20	20	29	50	69	84	85	85	76	64	58	53	53	36	15	0	4	13	39
20	34	62	70	74	71	60	55	65	79	86	88	95	93	93	87	81	81	75	72	60	38	47	30	78	70
21	71	43	18	16	21	24	30	29	32	32	39	42	52	52	52	50	45	46	44	43	42	38	32	25	38
22	28	34	43	50	44	49	50	48	47	54	57	59	60	63	63	64	65	64	59	41	13	27	41	54	49
23	55	56	57	59	54	30	28	55	62	63	74	75	81	78	85	88	88	89	81	73	61	39	72	49	65
24	47	67	62	55	47	45	54	58	72	90	100	101	105	104	104	106	108	96	82	75	43	59	56	64	75
25	68	72	77	78	81	82	76	81	79	77	80	80	84	82	82	77	78	79	79	77	67	73	73	76	77
26	70	64	61	64	72	74	82	79	79	80	***	87	85	87	88	88	134	142	107	60	9	25	3	5	72
27	10	16	5	14	13	10	37	73	79	89	98	107	109	111	116	112	111	102	93	82	79	87	64	62	70
28	59	68	74	77	74	76	75	70	69	75	74	81	97	92	87	83	81	78	76	80	69	60	47	52	74
29	62	60	56	54	45	18	38	61	61	63	83	101	113	117	104	79	74	68	68	56	55	41	43	29	65
30	50	68	71	74	70	54	66	75	73	71	75	84	83	81	81	81	83	78	73	68	73	60	54	55	71
31	68	58	60	58	57	29	34	43	52	68	74	72	68	60	55	49	46	42	47	48	45	39	32	29	51
MEAN	44	44	44	45	42	37	40	44	46	50	55	60	63	63	62	60	62	61	58	51	43	43	40	42	50.0

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE														MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	29	25	18	17	17	17	12	9	12	18	21	28	60	66	80	84	84	68	72	64	69	57	50	48	43		
2	34	19	12	4	2	4	10	32	44	60	64	63	58	54	56	53	51	48	48	35	12	5	24	44	35		
3	38	42	45	47	43	37	47	47	47	53	60	66	65	67	68	69	65	62	61	59	56	50	44	35	53		
4	34	35	39	47	49	50	56	59	62	63	67	69	68	70	73	78	78	73	71	69	58	52	52	37	59		
5	41	52	47	64	56	55	53	47	42	39	38	44	50	48	50	51	54	55	57	48	25	19	26	25	45		
6	30	22	11	12	4	4	13	39	43	53	65	68	79	80	79	71	66	69	66	60	59	52	51	52	48		
7	53	53	41	35	53	57	53	56	57	54	43	48	52	53	56	58	55	54	54	57	59	60	57	52	53		
8	26	9	1	3	12	13	8	5	30	54	59	60	54	50	48	49	48	37	23	21	23	19	21	27	29		
9	34	37	39	44	40	29	37	46	51	51	52	57	57	57	57	58	57	54	52	46	47	29	24	15	45		
10	22	23	24	22	16	18	29	45	48	43	52	55	59	66	71	78	80	73	69	66	63	54	41	43	48		
11	48	51	49	39	52	57	61	61	68	78	85	95	100	94	90	90	95	98	98	98	94	79	47	53	74		
12	62	57	58	49	28	39	43	48	58	70	80	85	77	66	73	83	68	62	55	54	55	32	21	17	56		
13	17	17	17	17	16	15	15	15	17	19	21	23	27	33	40	47	49	52	53	52	48	41	38	38	30		
14	38	37	34	33	34	32	32	38	44	48	51	52	55	52	45	45	45	46	46	34	17	13	15	34	38		
15	44	44	41	42	42	42	42	49	51	53	57	55	***	65	68	71	72	68	64	49	39	40	31	28	50		
16	31	23	37	38	25	22	15	29	47	54	73	76	76	77	90	81	79	77	72	68	66	64	63	59	56		
17	57	54	53	52	52	53	60	65	68	70	72	79	77	76	75	86	91	94	90	80	73	66	61	52	69		
18	49	37	50	55	59	56	53	56	53	61	71	62	65	68	64	65	63	63	62	58	59	57	57	54	58		
19	52	49	50	55	58	54	44	40	40	47	57	60	62	64	65	64	65	64	64	64	56	54	50	27	54		
20	34	42	44	53	47	30	41	49	59	***	62	65	69	69	73	104	120	115	104	95	86	84	63	68	69		
21	71	69	70	70	70	65	56	58	8	24	47	63	65	85	76	70	66	55	46	43	42	37	34	35	55		
22	28	30	30	31	25	22	24	27	36	42	44	46	45	47	47	48	49	51	48	42	11	0	14	28	34		
23	45	43	31	26	23	18	18	19	21	22	21	25	28	28	25	27	27	23	14	9	7	13	15	23	34		
24	20	23	25	24	20	19	25	30	40	45	49	51	53	56	72	78	81	81	73	56	42	16	13	5	42		
25	7	24	38	39	44	25	40	48	60	67	70	81	83	79	81	78	81	82	76	74	66	63	67	70	60		
26	70	64	63	58	55	58	55	52	53	58	61	63	68	7	83	74	81	82	76	74	66	63	67	70	60		
27	15	15	35	34	32	19	20	27	50	52	60	62	67	60	39	48	53	55	54	52	49	49	49	49	44		
28	43	45	46	41	36	32	27	23	24	25	28	40	38	37	33	35	38	37	35	15	10	8	16	19	57		
29	26	32	35	38	37	32	28	41	49	51	54	54	53	51	51	50	52	53	54	55	53	50	50	48	46		
30	49	49	45	31	21	17	17	23	31	44	41	43	42	42	43	45	47	46	37	26	26	25	21	23	35		
MEAN	38	37	38	37	36	33	34	39	44	49	54	58	60	61	62	65	65	63	60	54	47	40	38	37	47		

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	20	19	17	16	15	19	27	30	38	35	37	38	39	43	46	46	50	52	42	46	34	18	21	32
2	25	24	23	24	24	26	34	36	38	46	48	49	49	47	48	49	51	52	53	52	47	46	45	52	41
3	53	51	49	49	49	47	43	48	56	63	63	66	72	73	70	68	60	56	55	54	58	59	60	62	58
4	64	61	59	58	56	53	51	50	47	57	62	63	63	65	65	68	68	64	58	39	13	10	9	52	
5	22	27	31	48	53	48	43	62	70	73	75	75	78	94	100	101	95	91	84	72	61	52	22	8	62
6	2	1	7	11	8	11	17	50	58	66	67	80	92	89	93	93	90	82	72	78	80	82	81	83	58
7	78	74	66	61	53	50	57	67	71	76	89	98	98	93	89	83	80	86	85	79	74	73	69	67	76
8	74	72	61	55	53	50	47	52	56	61	65	69	63	63	53	51	45	35	31	28	29	27	21	20	49
9	28	43	42	29	27	31	29	26	32	39	49	53	54	61	69	66	66	59	51	37	21	19	14	11	39
10	17	19	34	51	56	35	19	17	18	20	23	24	26	28	28	24	23	22	21	21	19	14	11	14	24
11	17	17	14	13	11	8	8	15	16	20	23	24	31	33	38	37	41	41	36	26	18	16	11	12	22
12	14	21	24	29	30	24	27	26	***	37	42	49	50	***	67	70	69	58	55	52	34	16	5	0	36
13	0	0	0	0	0	16	29	24	49	59	57	57	69	76	80	81	81	76	77	76	75	65	57	64	49
14	59	54	55	54	48	41	28	38	45	54	58	60	63	103	92	58	58	56	54	51	31	15	20	23	51
15	25	26	24	30	29	19	23	49	53	64	76	86	98	105	98	95	83	73	63	58	56	49	37	30	56
16	25	22	20	20	20	17	18	27	28	26	30	32	34	32	34	34	35	31	30	25	17	14	9	10	25
17	14	12	13	13	13	10	11	13	17	25	30	35	46	49	51	52	52	55	53	42	28	21	13	16	29
18	20	23	24	22	21	9	10	36	42	50	56	65	76	72	98	99	86	78	78	66	52	26	17	26	48
19	37	25	15	12	11	9	8	12	14	14	44	84	***	114	104	101	84	88	89	85	81	71	70	67	54
20	51	41	29	22	18	35	39	62	70	86	97	94	87	111	116	81	80	79	78	78	73	72	64	62	68
21	62	64	60	57	50	51	34	26	34	44	52	60	69	66	66	62	58	52	47	37	36	30	20	9	48
22	7	8	14	13	21	22	24	32	51	54	60	65	88	90	87	86	89	70	74	71	65	59	57	64	53
23	47	36	36	52	50	39	30	29	42	44	44	37	29	22	21	22	24	25	29	27	24	22	21	20	32
24	20	24	22	19	17	10	8	17	35	37	39	49	56	56	53	49	41	31	26	23	18	16	13	11	29
25	13	13	15	16	16	14	16	22	37	50	58	61	68	74	77	74	72	71	76	80	78	75	66	59	50
26	50	21	16	13	13	27	25	27	47	62	63	***	73	78	78	78	68	66	67	54	52	41	37	47	47
27	25	21	47	50	50	36	31	34	41	48	56	59	60	59	57	51	42	36	28	23	23	19	18	16	39
28	15	15	15	13	12	12	8	7	12	17	22	26	32	40	42	47	47	40	34	15	8	8	6	12	21
29	10	13	6	2	0	0	0	15	19	25	35	29	42	47	49	45	44	53	58	30	30	32	28	21	26
30	22	18	15	14	12	12	12	17	19	19	18	22	28	33	39	39	37	30	29	24	18	7	15	21	22
31	22	23	23	22	20	17	15	18	24	28	33	38	46	42	45	51	53	53	50	53	45	25	27	16	33
MEAN	30	29	28	29	28	26	25	32	38	45	51	55	59	65	66	63	60	57	55	49	43	36	31	30	42.8

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	16	11	9	9	7	19	30	27	52	70	67	75	82	79	79	80	82	83	77	72	66	66	65	51
2	57	59	59	55	37	15	40	50	54	59	71	***	***	85	80	77	80	77	74	78	77	79	66	67	63
3	65	46	55	57	54	53	50	51	50	48	44	44	54	54	56	57	55	55	45	26	19	20	21	22	46
4	25	23	23	21	18	16	14	14	16	18	21	31	36	38	40	44	49	41	32	19	12	10	6	6	24
5	5	7	11	16	10	7	11	27	33	42	43	59	72	74	65	64	62	69	70	67	64	63	45	31	42
6	36	56	58	55	53	51	54	49	68	70	74	79	79	82	86	95	105	103	95	82	73	48	52	46	69
7	58	68	71	70	69	77	69	64	66	65	65	67	66	72	74	74	76	76	80	71	60	49	28	25	65
8	27	47	52	48	38	16	11	6	8	19	34	55	61	***	76	75	66	68	83	77	70	65	65	64	49
9	61	59	61	60	59	46	41	38	27	29	36	39	35	33	42	37	40	28	25	17	16	14	10	8	36
10	15	15	14	13	13	11	11	16	19	21	26	27	32	35	28	27	41	43	40	28	7	1	1	1	20
11	0	2	12	13	13	11	9	17	23	31	42	41	41	47	52	58	63	62	48	36	25	6	9	7	28
12	16	16	13	20	48	41	27	40	54	62	66	70	74	76	81	90	81	72	69	64	32	21	38	20	50
13	22	27	28	45	54	57	54	53	66	75	77	75	74	75	74	101	82	66	61	47	28	15	18	32	54
14	45	60	63	63	60	51	48	56	74	75	75	83	89	105	109	105	106	102	99	87	77	72	35	35	74
15	30	48	65	61	56	54	54	54	55	54	64	69	***	83	89	88	73	59	57	35	30	30	30	37	55
16	46	37	31	20	16	18	18	15	12	34	35	31	54	63	63	61	62	63	63	56	54	49	48	48	42
17	31	26	22	17	15	13	13	7	8	8	8	8	12	13	13	12	12	13	17	20	18	17	14	8	14
18	5	4	7	6	7	5	3	11	23	25	27	37	48	54	62	67	70	70	77	51	29	22	15	17	31
19	17	18	17	15	11	7	12	14	18	39	42	55	63	71	80	77	***	***	***	***	***	10	11	12	31
20	10	8	7	7	7	7	7	7	9	13	15	16	19	22	28	31	34	34	24	9	15	13	13	17	16
21	17	17	15	15	12	7	8	16	26	32	38	48	53	58	65	70	59	53	43	28	19	10	0	0	30
22	0	0	0	3	5	0	3	27	53	64	76	96	83	90	***	95	91	90	85	67	61	28	36	48	67
23	39	66	64	65	61	57	45	59	70	72	76	81	***	75	88	96	84	76	70	71	68	62	53	45	67
24	38	36	24	17	19	23	29	43	49	42	39	40	36	44	27	14	7	9	12	13	13	13	14	25	18
25	18	17	17	15	15	13	12	15	19	20	22	22	23	24	26	25	24	22	18	8	10	12	13	16	21
26	18	21	19	22	20	18	15	20	22	23	25	28	30	27	28	29	25	21	16	16	17	16	16	17	18
27	15	13	13	13	14	15	15	16	16	17	18	20	22	21	21	20	20	20	19	17	17	17	20	21	20
28	15	15	15	14	14	13	10	12	9	16	20	24	28	29	31	33	31	30	25	22	20	20	21	21	20
29	22	22	21	22	21	16	13	14	9	16	21	20	22	19	18	17	18	17	15	14	8	6	10	9	16
30	8	9	7	8	4	2	4	9	13	17	21	26	28	26	27	22	16	9	14	21	17	17	18	19	15
31	20	19	13	11	14	12	10	9	8	11	15	18	24	24	25	23	24	20	11	5	6	8	10	13	15
MEAN	26	28	29	28	27	24	24	28	32	38	42	46	48	53	54	56	55	52	49	42	35	29	25	25	37.1



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	9	9	10	10	8	12	14	20	23	24	****	29	32	37	37	38	37	37	38	37	13	7	9	22
2	3	2	0	0	0	0	1	12	21	26	32	40	50	57	62	67	59	54	52	47	36	31	28	24	29
3	35	27	24	32	35	33	28	29	32	39	41	41	42	41	40	37	25	21	14	12	11	12	12	12	28
4	14	13	12	9	8	8	10	11	15	17	23	25	25	26	26	26	21	15	13	16	14	16	14	16	16
5	16	13	10	9	9	10	11	11	12	16	****	19	24	28	30	34	34	36	42	32	24	21	15	12	20
6	11	6	5	2	1	2	3	6	19	38	45	40	36	34	33	35	36	33	27	25	29	35	35	33	24
7	32	30	28	25	22	20	12	8	7	8	9	11	13	12	13	13	12	12	12	12	12	12	11	15	15
8	14	14	14	14	14	13	12	11	12	12	13	13	14	15	17	21	19	16	7	4	1	2	2	6	12
9	10	11	13	14	14	12	11	10	13	14	16	17	20	21	22	23	22	22	22	15	14	14	10	11	15
10	14	14	16	17	17	17	17	16	15	15	17	18	18	19	18	21	23	22	20	18	13	12	11	11	17
11	11	10	9	7	4	1	2	3	10	16	31	42	51	72	58	38	35	32	29	24	20	20	26	21	24
12	21	22	17	15	13	8	8	8	10	10	13	15	18	18	17	16	16	13	10	10	11	12	13	15	14
13	15	15	14	14	12	11	11	13	15	15	17	18	19	20	19	19	17	16	18	19	19	18	17	16	16
14	18	18	19	19	18	15	11	11	12	11	13	16	21	22	27	32	36	35	31	26	23	13	2	2	19
15	1	2	8	19	17	10	5	8	14	16	17	17	18	19	21	19	20	21	14	6	17	21	22	27	15
16	25	22	19	16	15	9	10	11	12	15	17	19	19	18	19	18	17	16	13	11	11	12	10	9	15
17	6	7	8	8	9	9	10	10	10	9	9	9	9	9	8	8	8	9	7	7	8	10	10	11	9
18	13	13	12	12	12	13	13	12	15	12	14	15	16	16	14	12	12	14	15	16	18	18	17	18	14
19	18	18	20	21	22	19	12	10	15	17	18	19	21	21	25	23	23	23	18	16	15	13	11	10	18
20	7	10	12	14	13	15	10	12	14	14	12	14	19	20	23	32	47	35	19	18	22	15	13	7	17
21	10	7	0	0	4	4	4	11	13	14	12	13	11	12	11	11	12	11	11	13	13	10	8	8	9
22	8	8	8	8	6	3	4	4	8	8	10	11	12	13	14	15	15	11	5	1	2	3	5	4	8
23	5	8	10	11	9	7	3	8	11	15	17	18	22	25	29	30	30	29	16	13	11	1	4	7	14
24	5	5	5	6	6	3	2	9	18	23	31	36	42	42	42	42	37	18	24	23	25	28	25	22	22
25	24	19	16	15	14	11	8	9	10	11	13	12	12	12	14	13	13	11	10	8	4	4	10	11	12
26	10	12	15	16	16	15	13	12	13	15	17	14	16	21	22	22	19	16	10	8	9	8	7	10	14
27	13	6	2	3	3	2	2	2	7	15	21	22	43	41	40	34	20	13	20	13	14	14	9	15	15
28	9	10	12	11	11	10	8	8	9	12	13	15	17	17	16	15	14	10	7	8	4	3	4	11	11
29	10	9	9	9	4	0	2	6	6	7	10	13	19	23	25	25	22	19	15	11	9	11	11	10	12
30	8	5	5	5	5	7	7	8	14	16	18	23	29	32	35	38	37	34	30	28	27	25	21	25	20
MEAN	13	12	12	12	11	10	9	10	13	16	18	20	23	25	26	26	25	23	19	17	16	14	13	13	16.5

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	19	17	16	13	10	10	11	13	13	16	18	16	16	16	16	13	13	11	12	14	13	14	16	15
2	16	15	16	16	12	6	3	5	11	15	16	19	20	21	22	21	19	13	12	11	10	10	11	13	14
3	12	10	10	10	11	10	8	7	11	14	15	17	22	22	21	20	17	17	20	20	20	18	15	14	15
4	12	17	18	20	18	10	7	6	3	4	9	12	13	12	11	8	13	12	4	0	0	0	0	9	9
5	0	0	0	0	0	0	0	0	4	6	10	13	14	13	15	18	16	13	13	13	14	19	24	23	10
6	8	6	5	7	7	9	9	6	4	3	7	4	2	6	11	10	10	11	10	7	10	9	7	8	7
7	7	7	9	9	9	10	11	11	12	13	13	15	16	16	16	16	16	15	14	14	14	14	13	13	13
8	12	13	13	12	12	13	13	13	13	14	15	15	15	17	16	16	16	16	16	15	5	1	1	0	12
9	3	5	5	5	3	4	4	5	8	11	15	18	23	23	24	22	20	18	15	11	14	18	12	8	12
10	9	10	13	14	11	7	3	2	9	16	20	28	34	38	39	37	36	29	17	5	0	0	1	1	16
11	4	8	8	3	0	1	4	8	11	19	19	23	33	31	30	25	22	21	16	12	14	21	16	20	15
12	24	22	22	20	18	16	11	2	4	13	15	18	21	25	27	25	19	15	23	22	14	11	4	1	16
13	6	4	9	15	13	10	2	10	10	12	14	15	16	15	17	17	16	16	16	16	20	20	19	19	14
14	20	19	18	16	16	15	14	13	13	12	13	15	16	16	16	16	14	12	16	16	18	18	15	12	15
15	16	15	15	15	15	16	19	20	21	23	23	22	24	24	26	21	17	13	5	7	4	13	17	19	17
16	22	21	20	19	19	16	15	18	22	22	21	23	****	26	24	21	20	8	3	5	6	6	11	17	17
17	18	18	20	17	14	8	6	10	23	23	23	23	21	21	20	12	5	5	7	3	1	1	1	1	13
18	0	0	0	0	3	2	0	0	2	3	3	10	11	8	10	8	4	4	3	4	5	4	4	11	4
19	12	11	12	12	6	4	0	0	0	9	10	13	15	15	8	4	4	4	0	3	3	7	11	7	7
20	11	12	12	10	4	3	0	4	13	16	11	18	20	21	21	12	5	0	0	0	0	0	0	0	8
21	0	0	0	0	0	0	0	5	6	12	20	25	32	34	28	24	21	28	35	31	32	24	14	9	16
22	16	13	13	13	14	15	17	16	18	22	22	24	27	32	30	29	26	29	30	26	22	23	25	28	22
23	17	17	16	14	13	11	9	9	11	12	14	16	16	17	18	18	16	16	13	16	18	18	15	17	15
24	13	8	6	8	5	5	1	4	4	4	10	11	9	6	9	11	7	3	2	3	0	7	8	6	6
25	7	4	3	3	1	1	1	1	5	5	5	7	7	8	11	7	4	12	10	10	10	10	10	6	6
26	8	7	7	5	7	7	7	7	7	9	8	8	10	10	10	9	8	8	7	7	6	5	8	9	8
27	9	10	9	7	6	2	3	4	5	12	13	14	7	6	5	5	3	2	2	2	0	0	0	5	5
28	0	0	3	3	3	3	0	0	7	11	11	13	14	13	12	11	10	8	9	8	7	7	7	8	7
29	7	6	5	5	5	6	6	7	8	9	10	11	10	11	10	9	8	5	3	2	5	7	7	7	7
30	6	6	6	6	6	7	7	8	9	9	9	11	13	13	13	11	6	8	7	7	6	0	0	0	7
31	0	0	2	2	2	2	0	3	4	6	11	14	16	17	18	16	13	11	10	10	11	10	9	8	8
MEAN	10	10	10	10	9	7	6	7	9	12	14	16	17	18	18	16	14	12	11	10	10	10	10	10	11

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	10	12	10	10	9	6	5	8	13	14	15	15	16	10	4	3	1	1	1	1	1	2	2	7
2	0	0	0	0	0	1	1	1	3	7	10	14	17	17	17	13	8	3	2	2	2	7	5	3	6
3	6	6	4	5	7	8	3	2	8	15	15	13	16	***	19	15	11	7	5	3	5	10	8	3	8
4	3	3	2	0	0	0	0	0	0	3	5	7	5	5	5	4	0	0	0	0	0	0	0	2	2
5	0	3	4	4	7	7	7	7	7	9	11	11	13	16	19	19	15	11	5	3	3	0	10	12	8
6	13	13	12	12	10	8	5	7	6	6	5	5	6	6	6	7	5	6	6	5	6	5	4	5	7
7	6	6	6	6	5	3	2	2	4	6	7	8	9	8	8	7	4	3	0	3	2	2	2	3	5
8	5	5	4	4	4	0	0	0	2	5	5	5	5	4	4	2	0	0	0	0	0	0	2	4	2
9	3	3	3	2	3	3	2	0	0	4	5	6	7	7	7	8	5	4	0	0	0	0	2	4	3
10	5	6	5	6	5	3	4	4	4	4	3	****	****	4	3	****	****	0	0	0	0	0	0	0	3
11	0	0	0	0	0	0	0	0	0	0	10	17	22	22	19	12	13	11	5	4	7	8	8	10	7
12	12	13	16	17	19	19	17	19	19	19	20	21	23	22	21	20	19	16	14	15	12	15	18	18	18
13	18	17	18	18	17	13	15	12	15	11	8	6	6	2	0	0	0	0	0	0	0	0	2	3	8
14	0	3	4	0	0	0	11	17	7	11	14	16	14	11	9	9	8	9	12	12	12	14	16	17	9
15	18	19	19	19	18	16	13	9	9	13	17	19	19	17	18	16	8	4	6	3	2	1	1	1	12
16	4	11	13	11	16	14	3	2	6	13	23	27	28	27	24	22	21	15	9	4	18	20	17	18	15
17	17	15	16	18	18	16	10	8	8	6	7	8	10	10	11	11	11	10	7	5	7	5	7	11	11
18	3	3	5	7	9	14	19	20	17	18	19	20	21	21	19	19	17	13	17	14	11	7	8	11	14
19	6	4	6	13	11	8	8	15	21	21	20	21	22	22	20	19	19	20	20	20	20	21	22	22	17
20	20	21	21	20	21	20	18	16	18	21	21	21	22	22	****	20	18	19	17	18	18	19	19	20	20
21	22	20	20	21	21	19	19	16	18	20	21	22	24	24	26	25	17	9	5	3	9	10	13	13	17
22	14	14	14	15	16	18	15	14	15	16	15	16	17	19	17	13	7	4	6	6	8	10	18	12	13
23	11	9	7	7	8	6	5	3	3	4	4	3	4	4	4	2	1	1	1	1	1	1	1	4	1
24	0	0	0	0	0	0	2	3	4	5	5	5	5	***	5	3	3	5	4	8	14	18	19	13	5
25	14	14	15	16	17	18	18	18	17	18	18	20	21	19	20	18	17	15	13	15	13	16	20	21	17
26	21	20	21	20	21	21	20	20	21	20	21	22	24	25	24	22	18	13	16	18	17	18	18	17	20
27	20	19	18	16	16	15	15	15	16	16	16	16	14	14	14	13	13	13	13	14	14	15	15	14	15
28	13	11	10	10	9	8	5	4	5	10	12	14	18	18	16	12	5	7	2	10	18	17	8	7	10
29	4	4	4	5	4	0	0	0	2	4	10	13	11	9	9	4	2	0	0	0	0	0	1	2	4
30	4	4	6	7	9	12	14	12	13	16	18	19	19	19	18	17	13	10	15	18	17	19	11	5	13
MEAN	9	9	10	10	10	9	9	8	9	11	13	14	15	15	14	12	10	8	7	7	8	9	9	9	10.0

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	7	8	7	8	6	7	4	3	5	5	4	3	3	3	3	0	4	2	0	2	3	3	18	5
2	20	19	20	21	23	22	18	15	12	15	23	24	23	23	23	21	13	12	15	15	18	19	21	20	19
3	22	20	21	21	21	20	20	20	19	17	16	16	17	14	12	11	10	7	6	5	5	3	3	4	14
4	3	2	0	0	7	9	11	6	4	9	15	16	16	15	15	13	13	12	15	16	13	12	16	14	11
5	16	13	11	10	9	9	10	6	6	9	11	12	13	13	9	6	4	3	1	0	0	0	1	3	7
6	4	3	2	0	0	0	0	0	0	2	2	5	8	14	13	10	7	4	7	15	18	20	18	19	8
7	18	16	15	17	18	17	14	10	17	3	5	14	16	16	16	16	16	16	18	19	20	20	21	22	10
8	3	0	0	0	0	0	0	0	0	3	5	14	16	16	16	16	16	16	18	19	20	20	21	22	10
9	21	21	22	22	20	22	20	16	15	16	21	20	20	21	19	20	17	16	18	17	17	18	19	19	19
10	20	20	22	20	20	21	19	12	18	23	23	24	21	21	21	21	18	13	20	20	21	21	20	21	20
11	20	15	12	11	10	6	4	0	1	6	10	11	14	9	10	6	0	0	0	0	0	0	0	0	6
12	0	0	0	0	0	7	7	8	11	15	16	19	18	15	7	0	0	0	0	0	0	0	0	2	6
13	2	3	0	1	5	11	9	8	10	11	12	12	15	16	15	14	12	14	14	15	16	17	17	11	11
14	15	15	16	17	19	21	22	17	16	18	21	20	21	21	18	9	7	6	7	10	10	9	10	10	15
15	8	8	7	6	6	6	5	1	2	3	6	9	11	12	***	13	3	0	0	0	7	11	10	11	6
16	10	10	9	9	9	7	1	0	2	2	7	7	6	3	2	2	2	3	4	3	3	2	0	0	4
17	0	0	3	12	19	20	21	22	22	21	20	19	21	19	19	18	17	16	16	18	20	19	19	16	17
18	16	16	16	16	16	16	15	11	8	12	15	16	18	18	18	16	17	16	16	18	19	19	21	22	18
19	21	19	20	19	19	19	17	15	16	19	20	20	***	***	21	19	15	10	13	19	19	21	22	23	18
20	24	24	22	23	22	22	22	21	19	18	18	17	17	15	13	11	10	10	9	6	4	2	0	0	15
21	0	0	0	0	5	7	14	18	19	19	21	21	22	23	23	22	22	19	18	13	9	8	7	9	13
22	4	6	21	15	16	14	13	10	7	5	3	8	10	7	6	4	8	7	8	6	13	21	21	11	11
23	23	24	23	23	23	21	21	16	17	17	19	20	22	23	22	18	17	11	3	2	1	1	1	1	15
24	0	0	0	0	5	6	9	10	15	17	18	17	14	12	13	12	11	10	8	8	6	6	6	9	9
25	10	13	15	15	18	17	14	14	15	17	16	18	17	19	19	19	20	21	22	22	21	22	22	23	18
26	25	25	24	25	25	25	24	23	19	23	21	23	23	24	22	20	20	18	18	16	16	16	17	18	21
27	20	21	22	23	23	22	20	17	14	18	23	25	25	25	22	19	19	18	19	18	18	17	16	14	20
28	16	15	18	19	22	20	14	11	8	16	22	22	23	22	22	22	17	10	2	2	1	3	12	16	19
29	22	19	23	23	21	22	18	8	13	22	22	22	21	22	22	21	18	18	17	17	17	17	17	16	19
30	15	15	15	15	15	15	14	12	12	14	15	15	12	12	11	6	4	4	4	4	4	4	2	0	10
31	0	0	0	0	0	0	0	0	0	4	4	6	6	4	3	3	0	0	0	0	0	0	0	0	1
MEAN	12	12	12	13	14	14	13	11	11	13	15	16	17	16	15	13	11	10	10	10	11	11	11	12	12.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	18.5	29	33
FEB	28	24.2	34	53
MAR	31	36.1	51	92
APR	30	39.1	52	70
MAY	31	50.0	77	142
JUN	30	47.9	74	120
JUL	31	42.8	76	116
AUG	31	37.1	74	109
SEP	30	16.5	29	72
OCT	31	11.5	22	39
NOV	30	10.0	20	28
DEC	31	12.6	21	25
YEAR	365	28.9	77	142

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	142	208	379	13	0	0	0	0	742
FEB	77	87	362	141	4	0	0	0	671
MAR	32	23	134	473	71	5	0	0	738
APR	13	30	106	473	97	0	0	0	719
MAY	20	30	76	303	239	51	20	0	739
JUN	21	60	81	212	307	33	4	0	718
JUL	42	124	129	159	228	49	8	0	739
AUG	89	192	104	106	201	32	8	0	732
SEP	203	333	100	73	9	0	0	0	718
OCT	352	303	75	13	0	0	0	0	743
NOV	384	276	53	0	0	0	0	0	713
DEC	286	327	128	0	0	0	0	0	741
YEAR	1861	1993	1727	1966	1156	170	40	0	8713

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
99.5	0	4.8	15.0	23.3	36.2	58.1	70.3	81.7	89.9	142	28.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT		UNITS - PARTS/BILLION																							
STATION - SE NO 51001		MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA												MONTH - JAN 78										MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	0	1	3	6	16	17	18	22	20	18	12	11	14	16	17	17	18	17	15	11
2	16	18	19	18	18	19	18	18	18	19	21	22	21	20	13	5	1	1	0	0	0	0	0	0	13
3	0	0	0	0	3	2	0	0	5	12	17	19	19	18	17	13	9	6	10	11	9	6	6	2	8
4	4	7	7	4	8	10	1	0	0	2	3	6	11	9	7	5	4	2	3	4	6	6	2	0	5
5	0	0	0	0	0	0	0	0	0	1	-	-	16	16	15	10	9	6	9	9	13	19	21	18	7
6	23	21	21	21	22	14	8	7	11	15	18	21	17	16	7	4	4	7	11	13	13	12	13	14	14
7	11	11	14	16	18	19	15	14	18	18	17	18	17	14	14	11	11	11	13	10	11	11	10	14	14
8	9	9	8	8	9	10	10	10	9	9	10	11	10	10	9	5	7	7	4	4	6	7	11	8	8
9	14	13	13	14	15	18	17	18	16	18	19	20	21	22	22	20	16	19	20	20	19	20	21	18	18
10	23	22	21	22	22	22	22	20	20	21	23	24	24	24	24	22	21	20	19	20	22	23	21	21	22
11	21	22	22	21	20	18	15	6	6	15	17	19	****	15	13	14	9	10	11	3	7	13	11	12	14
12	10	12	12	13	14	12	11	7	9	13	17	20	22	21	21	13	6	0	2	1	0	0	0	0	10
13	0	0	4	6	10	13	10	4	6	12	15	15	16	18	19	12	4	5	6	3	5	3	7	8	8
14	12	17	20	22	23	22	20	20	20	20	22	25	24	22	22	23	16	19	23	22	22	23	24	24	21
15	24	23	22	23	23	24	24	23	22	23	24	24	24	23	21	19	13	10	8	8	10	12	12	19	11
16	16	18	17	18	18	18	9	6	10	16	21	22	22	21	20	15	5	0	0	0	0	0	0	0	11
17	0	2	2	3	8	5	1	0	4	7	11	14	19	15	16	15	1	0	0	2	6	7	8	9	6
18	20	23	25	27	26	26	22	18	16	19	21	22	24	23	21	11	12	11	8	6	11	15	15	11	18
19	16	17	21	21	5	9	10	2	3	10	14	9	13	14	13	6	2	0	0	0	0	1	1	2	8
20	5	13	17	21	22	23	19	15	15	18	16	23	23	23	22	19	17	15	21	20	19	18	20	23	18
21	26	26	24	23	24	25	22	20	22	24	24	21	21	21	20	14	8	2	3	2	2	2	5	4	16
22	3	3	3	5	9	10	3	4	3	6	9	9	19	21	19	16	13	13	14	10	12	17	13	15	10
23	17	16	13	13	8	4	1	0	1	4	6	12	13	14	14	6	0	1	3	1	1	1	4	1	6
24	14	12	13	13	8	4	1	0	1	4	6	12	13	14	14	6	0	1	3	1	1	1	4	1	6
25	3	5	5	10	10	1	0	0	0	0	0	0	0	0	3	6	4	2	2	0	0	3	6	7	10
26	21	21	25	27	24	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
27	20	20	21	21	20	16	9	6	9	14	17	20	23	18	17	14	15	22	21	22	22	22	21	18	18
28	24	27	27	25	24	24	22	24	22	25	25	25	26	24	24	22	14	15	14	11	14	17	15	12	21
29	16	18	21	17	19	19	20	17	21	22	24	24	26	23	24	22	19	16	15	14	9	22	25	25	20
30	27	29	26	27	26	26	22	17	23	26	28	29	28	29	27	20	13	11	13	13	11	11	10	8	21
31	14	14	15	12	11	6	2	2	4	13	19	20	****	****	18	16	11	2	2	2	2	2	2	2	9
MEAN	13	14	15	15	15	14	11	9	11	14	17	18	20	18	18	14	10	9	9	9	9	9	9	13.1	

PERCENTAGE OF DATA VALID - 97.3      PERCENTAGE OF DATA INVALID - 2.4      PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SE NO 51001					MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA										MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	8	14	20	23	25	27	26	24	20	15	6	3	2	3	7	4	15	11
2	20	22	22	22	20	19	15	6	6	13	19	24	26	24	23	19	15	4	2	2	7	2	2	2	14
3	2	2	3	2	4	7	11	4	9	16	22	24	26	26	24	22	14	4	3	3	0	0	0	0	10
4	3	3	7	12	13	12	14	14	17	20	21	22	21	24	26	22	18	11	5	3	3	3	3	3	13
5	0	0	0	0	0	2	4	4	16	20	23	25	24	25	26	22	12	6	8	6	8	12	12	9	11
6	8	10	6	9	14	9	5	3	3	17	24	28	30	30	30	26	23	22	17	26	27	22	28	28	19
7	26	30	23	20	26	28	26	23	21	24	24	24	26	26	25	24	23	24	25	26	29	28	28	27	25
8	27	26	23	30	28	23	21	16	18	24	25	26	29	29	31	26	13	2	3	2	2	2	2	2	18
9	3	10	20	22	21	22	17	12	18	21	25	*****	28	28	29	25	23	10	3	6	10	11	5	2	16
10	6	7	5	13	18	20	13	5	8	20	27	28	27	27	27	26	20	14	9	2	0	0	0	3	14
11	7	11	4	5	7	9	10	9	10	15	18	22	28	29	28	26	22	20	11	3	4	6	11	15	14
12	21	21	20	18	21	24	26	26	27	27	27	27	28	29	28	26	22	20	17	15	16	17	13	11	22
13	27	22	29	30	31	27	22	17	21	24	27	27	28	27	27	25	23	16	8	0	0	0	0	0	19
14	0	0	3	6	7	8	4	1	7	10	17	21	27	32	29	26	20	14	7	6	7	1	0	0	11
15	0	0	0	0	1	0	1	1	1	4	7	11	15	17	18	13	6	1	0	0	0	0	0	0	5
16	0	0	0	0	0	0	0	1	1	4	11	*****	12	16	17	22	18	8	1	2	2	0	0	0	5
17	1	4	11	14	14	15	10	2	3	7	9	11	12	14	14	16	17	12	6	4	12	13	7	13	10
18	5	2	4	16	10	0	0	2	3	5	6	9	11	13	7	17	23	13	9	5	5	15	21	16	9
19	18	16	17	18	19	18	16	17	21	24	25	27	27	27	26	25	23	15	8	3	0	0	0	1	16
20	5	9	11	7	9	9	0	0	0	2	9	15	21	25	24	23	13	12	11	5	5	3	0	5	9
21	1	4	11	16	21	16	17	13	11	19	23	25	27	26	26	23	18	18	16	14	15	13	12	12	17
22	17	21	23	23	23	22	17	11	12	25	26	25	25	26	28	26	22	21	10	14	18	23	26	19	21
23	22	25	26	26	28	26	20	9	16	24	27	28	30	30	29	26	21	16	8	9	8	9	15	31	21
24	35	33	30	29	29	32	23	14	18	24	30	34	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
25	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
26	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
27	4	10	15	13	5	11	3	5	10	18	21	25	29	32	32	31	28	21	14	1	2	2	2	2	14
28	4	10	15	13	5	11	3	5	10	18	21	25	29	32	32	31	28	21	14	1	2	2	2	2	14
MEAN	10	12	13	14	15	14	12	9	12	17	21	23	25	25	25	23	19	13	9	7	7	8	8	9	14.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - SE NO 51001														MCDONALD GON RIDEAU/WURTEMBERG ST.OTTAWA											
														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	9	8	20	20	21	16	8	16	28	28	26	26	27	30	28	22	19	9	8	1	1	3	15	16
2	17	20	26	28	19	18	8	7	12	20	27	30	30	31	33	29	24	13	1	5	4	4	0	0	17
3	0	0	0	0	1	1	5	10	8	9	21	19	22	31	29	30	31	25	19	18	14	19	23	20	15
4	12	15	26	21	20	22	22	17	24	27	27	27	28	29	29	29	26	20	20	14	19	30	29	28	23
5	30	24	21	23	24	25	25	24	28	31	32	32	32	30	30	29	29	23	15	13	14	16	14	10	24
6	19	24	20	25	26	24	19	8	24	30	29	30	32	***	31	28	27	25	24	23	29	29	32	36	26
7	36	35	34	35	30	31	24	25	28	31	32	32	34	34	32	27	19	14	14	9	4	5	4	12	24
8	18	16	26	16	19	13	5	5	9	15	27	29	32	34	31	25	17	11	6	4	9	7	11	10	16
9	15	7	2	2	2	2	2	4	6	13	24	34	38	40	37	35	21	20	23	24	14	20	23	20	18
10	18	18	10	7	5	4	6	4	25	41	48	48	48	42	33	36	19	21	2	2	2	8	13	11	20
11	6	5	13	20	22	19	15	18	21	25	29	31	29	27	37	64	64	51	49	43	40	40	46	40	31
12	48	42	50	53	54	52	41	38	41	39	28	29	31	32	32	29	29	20	***	***	***	***	***	***	38
13	- DATA INVALID -																								
14	***	***	***	***	***	***	***	***	***	***	***	***	***	***	7	4	2	18	18	13	20	22	24	34	*****
15	34	37	30	33	35	32	30	30	32	34	34	34	35	35	35	31	29	25	27	28	30	29	29	28	32
16	29	29	31	29	28	24	15	26	28	30	34	35	33	31	29	29	25	24	10	7	6	7	2	0	23
17	0	2	7	9	5	4	4	13	29	32	33	33	37	39	36	37	30	18	14	3	5	10	7	16	18
18	20	26	20	22	26	27	27	31	34	35	35	35	36	36	38	35	25	20	24	29	30	35	35	30	30
19	34	30	31	30	30	28	26	29	33	38	35	35	35	35	35	37	37	34	34	36	35	35	36	34	33
20	35	33	33	32	29	26	24	25	26	24	28	***	***	32	31	29	22	13	7	8	18	24	28	27	25
21	30	30	21	18	24	20	16	12	12	15	14	16	20	16	19	15	6	11	20	27	29	28	27	28	20
22	30	31	32	33	32	30	25	22	23	30	36	41	39	37	38	29	24	16	6	0	0	8	9	18	25
23	22	24	34	32	31	29	26	17	11	18	16	13	27	36	40	24	14	3	10	18	19	21	19	19	22
24	27	31	34	34	32	33	32	32	34	35	35	36	38	38	39	38	38	32	19	13	19	12	7	11	29
25	3	5	5	17	22	26	19	21	25	26	29	32	36	37	31	25	23	9	7	3	2	2	6	8	17
26	9	8	18	24	21	31	32	34	33	31	36	37	39	40	37	37	36	36	31	29	26	26	25	25	29
27	27	27	29	31	31	30	27	25	26	27	27	32	31	28	24	21	17	15	17	8	10	5	16	18	23
28	23	26	25	25	23	17	20	26	32	32	28	34	37	25	13	3	5	5	3	7	7	7	6	8	19
29	17	21	25	25	24	19	15	20	25	27	27	***	27	26	23	20	16	15	18	18	23	16	18	16	21
30	13	13	17	31	33	18	20	26	30	33	35	35	36	36	34	28	21	7	4	10	15	17	21	23	23
31	26	29	30	33	34	25	20	24	29	30	31	30	32	30	31	28	24	18	0	4	8	8	9	5	22
MEAN	21	21	23	24	24	23	19	20	24	28	30	31	33	33	31	29	24	19	16	14	16	17	18	19	23.2

PERCENTAGE OF DATA VALID - 93.5

PERCENTAGE OF DATA INVALID - 6.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - SE NO 51001														MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA											
														MONTH - APR '78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	22	30	31	24	20	16	21	23	20	17	12	17	25	37	29	24	22	26	21	27	31	32	32	24
2	35	35	38	37	37	37	37	37	38	37	37	36	36	36	36	34	34	32	27	27	25	23	27	30	34
3	33	33	30	28	20	23	28	31	24	31	36	38	41	44	39	35	33	35	38	34	34	23	15	10	31
4	10	11	15	21	23	21	18	14	7	12	20	16	17	27	23	15	3	3	0	0	0	3	2	3	12
5	0	17	25	23	25	26	22	28	27	27	26	25	26	23	22	18	12	11	13	18	20	23	23	27	21
6	29	31	31	33	29	25	24	29	30	31	31	***	***	21	24	27	21	11	9	0	1	7	3	10	21
7	20	20	28	30	28	27	23	14	11	15	21	26	26	21	26	18	15	16	16	13	11	12	14	9	19
8	10	13	13	18	21	23	23	23	24	23	22	22	23	24	26	26	25	26	27	25	27	29	30	28	23
9	26	27	29	29	30	30	32	34	35	34	35	35	36	33	35	37	32	30	27	7	0	4	8	17	27
10	27	34	35	34	31	31	27	28	24	31	32	32	31	29	27	15	4	5	8	0	0	0	0	2	20
11	13	16	26	30	32	30	27	18	15	15	17	17	14	14	16	8	4	2	1	5	19	21	17	14	16
12	20	20	21	21	19	19	14	11	21	26	28	***	***	26	29	18	***	4	2	2	4	4	7	14	16
13	12	15	20	15	16	10	15	14	7	16	24	36	33	28	21	23	16	19	15	18	19	18	23	22	19
14	27	31	35	35	30	28	29	32	34	34	35	35	35	35	33	29	21	22	20	17	26	21	23	20	29
15	28	22	24	23	26	25	26	27	29	29	26	26	29	27	27	27	26	25	16	15	19	27	28	29	25
16	34	34	33	32	35	36	37	37	39	41	41	38	38	39	38	37	28	29	19	12	4	0	2	11	29
17	15	17	20	13	10	18	10	4	6	11	21	33	39	37	35	31	33	23	21	8	0	7	13	4	18
18	18	25	31	34	30	27	26	21	25	28	42	46	47	43	42	39	36	29	31	18	24	27	23	19	30
19	24	24	25	24	17	12	14	14	20	28	***	25	22	31	33	34	34	34	32	36	36	31	31	32	27
20	35	40	43	43	43	42	37	35	33	40	40	43	40	35	29	32	26	23	24	24	18	12	15	20	32
21	31	37	39	37	38	38	31	28	26	31	33	33	35	35	36	36	35	32	29	23	30	30	30	28	33
22	33	33	33	36	36	32	35	36	37	40	40	42	43	42	42	43	43	41	35	11	9	9	13	9	32
23	11	16	13	26	23	31	37	42	42	44	44	45	45	45	45	45	44	43	38	15	1	3	3	9	30
24	16	30	40	37	34	29	30	30	35	43	44	44	44	46	48	47	46	46	38	17	1	3	3	9	30
25	42	43	42	37	37	36	34	34	39	44	44	0	***	46	48	47	46	46	38	17	1	3	3	9	30
26	3	12	16	14	23	28	27	27	25	28	36	44	46	46	45	43	42	41	34	22	28	30	25	2	34
27	26	15	13	15	19	18	17	12	32	45	47	47	48	48	46	45	45	45	43	36	24	27	0	10	27
28	11	21	31	34	32	31	31	30	30	40	45	45	46	46	46	45	45	45	44	39	26	23	22	23	24
29	25	28	34	36	34	34	33	32	40	45	45	45	39	39	40	39	36	35	35	31	32	35	35	36	36
30	38	38	38	37	37	33	31	34	34	35	37	37	36	36	36	36	36	35	34	34	34	31	32	32	35
MEAN	22	25	28	29	28	29	26	26	27	31	33	33	35	34	34	32	29	27	24	17	18	18	18	18	26.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SE NO 51001															MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA										
															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	29	29	29	28	28	23	17	19	22	22	23	22	20	24	17	15	21	24	25	28	27	26	27	30	24
2	31	31	30	31	31	28	26	26	28	30	33	35	34	34	34	34	34	37	37	23	24	27	28	37	31
3	39	39	37	36	35	19	35	38	39	41	41	41	39	39	39	39	39	39	39	37	24	14	7	13	34
4	23	28	27	26	25	23	21	29	35	35	37	37	39	39	38	31	32	30	28	20	19	22	17	22	28
5	25	28	28	26	26	24	24	24	29	35	***	50	46	46	50	47	47	47	35	24	11	21	21	25	32
6	28	28	25	32	25	29	30	32	35	35	41	43	54	46	48	47	45	42	36	27	25	27	26	23	35
7	25	30	26	29	25	24	33	39	42	44	45	45	53	54	55	56	51	48	45	18	12	2	0	0	33
8	0	0	0	2	12	13	2	7	20	51	52	54	58	54	43	36	30	46	33	50	49	51	51	47	32
9	48	45	43	41	37	25	10	12	22	30	35	39	34	46	50	47	49	30	16	7	28	33	34	37	33
10	38	37	34	32	25	16	10	20	29	****	****	25	28	27	22	23	28	32	27	22	15	12	5	0	23
11	0	0	0	0	0	0	0	9	28	36	37	38	38	39	42	42	43	44	30	21	17	18	13	17	21
12	25	27	25	27	22	9	0	0	3	10	8	17	27	41	25	6	9	9	14	25	31	33	34	36	19
13	37	36	43	47	44	38	33	39	41	41	46	52	51	53	50	46	49	51	46	48	49	49	46	43	45
14	41	49	47	44	46	44	45	46	****	****	****	****	****	****	****	50	46	44	44	36	32	36	39	44	43
15	42	37	34	36	34	35	36	40	42	43	46	52	50	49	46	42	43	43	47	44	43	43	38	38	42
16	36	35	31	32	34	32	28	34	39	43	43	42	45	46	47	47	46	44	38	38	38	40	36	31	39
17	30	32	32	31	28	23	18	17	21	19	18	***	25	25	25	25	24	8	2	0	3	9	0	1	18
18	2	2	9	10	6	6	4	4	7	19	36	40	45	59	68	63	61	53	41	20	2	7	4	1	24
19	17	22	21	20	15	11	9	14	27	35	39	40	40	40	38	32	32	31	24	13	0	12	22	7	23
20	15	35	41	40	30	20	17	24	41	55	58	59	70	73	73	82	94	89	65	56	53	44	41	46	51
21	50	55	33	26	27	31	33	37	40	39	39	41	43	41	40	39	38	38	30	27	23	21	19	24	35
22	26	26	27	28	29	29	27	27	29	32	35	39	37	36	35	35	36	32	23	10	5	0	0	0	25
23	4	1	6	7	8	7	0	2	15	28	32	38	47	47	46	42	43	48	44	25	19	8	3	5	22
24	2	0	0	0	4	11	7	7	21	36	61	80	84	83	81	79	76	78	64	22	0	0	5	10	34
25	2	5	11	40	43	27	18	30	25	***	****	74	***	69	66	66	64	59	52	26	4	25	38	45	38
26	24	21	29	32	29	24	24	30	32	42	47	57	69	76	85	98	79	71	39	11	29	37	21	0	42
27	2	0	0	0	3	12	15	23	36	51	69	77	88	79	66	69	69	68	57	50	50	49	46	53	43
28	60	58	50	38	34	39	38	49	65	77	84	89	90	97	89	77	76	77	72	56	54	50	47	53	63
29	52	48	53	44	35	26	27	23	46	68	77	75	75	69	63	64	61	54	52	34	34	30	42	57	50
30	58	61	55	29	24	16	20	27	36	54	76	105	133	124	98	77	62	58	54	24	9	13	10	0	51
31	0	4	11	11	12	16	15	20	21	44	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
MEAN	26	27	27	27	25	22	20	24	31	39	45	50	53	54	51	49	48	46	39	28	24	25	24	25	34.1

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - SE NO 51001														MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA											
														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	17	13	14	16	12	8	12	15	15	20	22	24	25	25	19	14	12	12	7	1	2	4	6	24
2	7	7	7	7	5	4	0	3	11	25	35	52	47	50	45	40	39	29	26	29	29	29	27	24	24
3	24	26	24	23	24	21	18	20	23	26	29	29	31	31	33	35	36	35	31	26	17	19	21	25	26
4	23	25	29	34	34	34	34	34	34	37	45	45	44	45	45	43	43	37	34	28	22	19	24	26	31
5	32	34	35	36	29	16	6	3	4	6	17	27	32	30	28	27	29	31	30	20	8	3	3	3	20
6	14	23	22	19	10	6	5	7	20	26	32	***	***	***	38	34	39	43	46	45	***	***	30	38	26
7	38	41	44	33	10	9	7	14	25	45	59	74	79	74	67	63	64	67	62	48	43	46	45	56	46
8	0	61	***	***	***	***	12	11	11	27	34	34	36	39	30	23	22	21	22	***	***	24	28	37	26
9	41	40	40	40	40	37	34	38	39	41	41	39	39	41	37	29	29	29	27	25	20	17	13	15	33
10	17	15	14	15	13	11	18	26	31	34	37	41	43	44	43	41	33	40	35	29	27	30	37	37	30
11	39	41	37	28	17	26	41	55	69	84	93	98	105	118	120	123	122	106	95	90	87	81	75	81	76
12	93	86	84	91	75	53	32	44	66	77	***	60	79	96	95	93	78	69	72	49	61	52	25	43	68
13	51	60	22	18	15	14	12	11	13	16	18	19	18	19	19	18	19	21	***	15	10	6	7	21	19
14	35	36	39	39	39	35	30	25	29	28	30	38	41	41	44	44	***	44	43	36	***	21	25	32	35
15	36	34	34	33	29	25	16	16	31	42	46	46	47	47	49	47	48	44	34	19	0	0	0	4	30
16	1	6	10	8	6	6	8	9	16	28	44	47	50	49	44	43	44	47	38	20	4	0	0	0	22
17	1	16	18	27	29	26	15	27	43	66	83	91	97	100	96	83	79	72	70	69	71	64	60	58	57
18	58	59	62	69	64	59	49	49	51	55	63	65	69	71	72	73	69	34	***	38	***	4	0	5	52
19	1	5	13	18	25	18	18	11	12	18	19	23	30	18	8	6	6	13	32	35	18	15	25	33	18
20	37	32	35	32	19	13	10	13	15	23	31	41	45	44	45	48	46	41	23	15	10	11	13	23	28
21	24	26	25	25	23	11	8	17	36	41	***	-	-	***	76	78	50	40	24	32	19	23	22	17	31
22	9	29	53	43	38	27	24	30	31	35	35	34	34	36	31	25	28	28	24	18	18	19	18	20	29
23	25	32	28	31	30	19	15	11	6	9	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10
24	- DATA INVALID -																								
25	- DATA INVALID -																								
26	- DATA INVALID -																								
27	- DATA INVALID -																								
28	- DATA INVALID -																								
29	- DATA INVALID -																								
30	- DATA INVALID -																								
MEAN	27	33	31	31	27	22	18	21	28	35	39	44	50	51	49	47	44	41	39	33	26	23	23	28	33.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT												UNITS - PARTS/BILLION													
STATION - SE NO 51001 MCDONALD GON RIDEAU/WURTEMBERG ST.OTTAWA												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
6	24	20	19	19	20	11	6	16	27	54	65	73	71	70	80	78	73	71	71	71	71	76	78	77	52
7	74	77	86	89	84	75	58	58	75	75	71	72	72	72	85	91	95	92	89	76	66	84	87	89	79
8	91	91	91	82	75	64	58	57	64	63	55	41	****	****	****	****	****	****	****	****	****	****	****	****	****
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29	5	6	6	6	6	7	7	10	12	16	16	21	25	17	15	19	23	17	19	25	23	23	22	20	15
30	25	24	18	20	22	23	19	21	22	24	26	26	26	28	31	31	35	31	29	18	7	5	6	6	22
31	9	6	10	10	13	8	11	12	26	30	30	37	40	40	38	34	36	30	27	24	27	36	30	29	25
MEAN	38	37	38	38	37	31	27	29	38	44	44	45	47	42	46	47	48	44	42	36	30	34	34	36	38.5

PERCENTAGE OF DATA VALID - 19.9

PERCENTAGE OF DATA INVALID - 70.4

PERCENTAGE OF DATA UNAVAILABLE - 9.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION												
STATION - SE NO 51001 MCDONALD GON RIDEAU/WURTEMBERG ST.OTTAWA														MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	29	29	26	25	26	14	10	8	21	39	59	65	66	65	63	65	60	51	30	15	50	57	53	48	41	
2	35	26	20	28	29	16	11	13	18	***	****	24	41	48	53	57	63	51	41	36	41	47	49	45	36	
3	48	60	60	58	47	30	27	32	35	31	35	41	39	31	11	18	23	11	8	0	0	0	0	9	27	
4	19	22	24	22	19	9	11	12	16	18	20	21	21	23	19	19	19	17	15	8	5	7	3	6	16	
5	11	10	10	9	10	5	5	7	17	25	29	37	46	56	66	70	65	58	43	33	33	37	38	33	31	
6	41	48	47	46	40	43	34	51	55	60	63	61	62	59	61	61	61	59	46	38	31	25	11	6	46	
7	14	15	20	18	21	17	15	16	25	42	55	55	62	69	69	65	67	61	59	24	22	12	8	15	35	
8	24	30	37	35	27	16	11	9	5	24	****	45	57	51	46	40	46	37	44	54	54	51	49	61	37	
9	62	62	58	58	54	36	20	24	31	41	49	41	38	33	24	19	15	17	12	8	10	7	8	14	31	
10	15	13	13	14	11	9	11	18	22	22	****	****	34	34	31	27	30	27	27	15	5	5	3	2	18	
11	2	4	5	5	4	6	7	8	10	26	36	48	47	46	40	44	45	39	29	7	2	2	2	4	20	
12	5	10	16	17	17	13	17	25	30	32	50	62	69	71	69	73	67	64	53	28	36	20	20	10	36	
13	12	24	26	24	22	25	29	36	34	55	80	77	81	82	84	82	79	68	73	70	50	39	61	64	53	
14	45	42	42	37	27	17	21	28	30	38	35	33	31	32	38	36	32	28	20	5	5	5	6	28	42	
15	4	4	6	6	14	16	7	11	18	34	60	87	91	70	66	68	71	73	46	38	29	54	68	69	42	
16	66	66	59	53	47	22	16	18	39	52	****	****	41	36	39	42	38	37	39	42	37	41	32	12	40	
17	24	35	31	27	26	17	11	13	19	19	18	20	19	22	16	12	13	12	6	4	7	8	8	6	16	
18	6	6	10	14	20	13	11	15	20	27	28	30	32	31	33	29	22	14	2	0	4	0	0	0	17	
19	0	0	3	1	0	0	0	0	0	0	6	8	21	21	32	26	20	21	14	9	2	20	24	28	11	
20	29	25	22	16	12	8	13	15	15	16	18	18	20	21	21	20	18	13	12	9	0	0	0	0	15	
21	0	5	6	7	5	0	0	0	11	14	21	26	35	35	24	21	23	25	15	5	0	0	2	0	12	
22	8	0	0	0	0	0	0	0	2	5	25	32	32	32	27	26	29	29	25	20	21	18	23	35	16	
23	35	36	37	41	41	28	19	10	10	10	****	****	13	13	13	12	10	10	12	13	13	17	17	13	19	
24	15	16	22	19	17	18	16	13	14	12	11	13	13	17	18	20	18	14	4	0	9	11	11	16	14	
25	21	21	20	19	16	6	4	12	17	20	24	29	29	24	26	30	29	26	19	2	0	0	0	0	16	
26	0	0	0	0	0	0	0	6	12	20	22	20	20	22	21	22	20	18	15	14	7	1	1	1	10	
27	0	0	0	5	8	8	10	12	12	17	21	24	25	26	26	29	28	24	7	0	0	0	0	3	11	12
28	29	28	22	22	18	8	2	2	4	****	****	0	0	0	0	0	0	0	0	0	0	0	13	35	8	
29	36	40	39	37	32	26	14	8	11	11	12	16	22	24	20	13	11	12	9	16	11	10	12	10	19	
30	11	8	12	9	6	1	1	0	4	5	2	3	15	19	20	14	12	14	3	3	2	0	0	0	7	
31	8	9	9	9	7	6	5	7	9	10	12	14	17	21	21	21	20	10	4	1	0	0	0	0	9	
MEAN	21	22	23	22	20	14	11	14	18	25	32	34	37	37	35	35	34	31	24	17	16	16	17	18	23.8	

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SE NO 51001															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	2	10	18	21	25	25	26	24	22	20	8	0	0	0	0	0	8
2	0	0	0	0	1	1	0	8	19	27	43	56	60	68	69	74	75	64	50	39	47	48	50	48	35
3	54	60	56	57	49	52	39	30	34	27	39	49	44	39	23	11	7	7	6	6	6	5	6	6	30
4	5	7	8	7	7	8	8	9	10	12	14	17	18	24	24	24	22	19	10	1	9	12	14	15	13
5	16	15	19	19	14	6	8	12	14	14	15	18	20	20	20	20	14	10	4	0	0	0	0	0	12
6	0	6	12	10	6	1	0	0	0	5	5	13	36	39	41	32	23	36	42	40	40	41	40	38	21
7	32	19	20	17	14	11	8	10	12	13	16	20	21	***	23	28	30	26	25	20	16	2	0	0	10
8	6	5	5	6	5	3	1	3	10	14	***	***	23	28	30	26	25	20	16	2	0	0	0	0	15
9	13	15	23	21	23	22	20	21	21	21	21	21	20	20	21	21	19	12	8	2	0	0	0	0	5
10	0	0	0	0	2	2	2	2	3	3	9	10	12	11	13	13	15	12	5	2	2	2	3	4	5
11	5	5	3	3	3	2	0	0	0	0	0	0	0	2	4	4	5	12	8	5	3	2	3	10	3
12	12	19	15	17	19	14	12	18	22	22	22	25	26	27	25	24	25	21	10	2	2	2	2	7	16
13	14	17	15	12	8	4	6	9	19	22	23	23	24	26	28	23	20	14	5	0	0	0	0	0	13
14	4	4	6	6	8	4	3	4	10	15	20	28	27	26	22	16	11	5	8	7	9	12	13	16	12
15	36	34	33	29	26	13	7	6	8	17	20	22	25	23	17	15	17	13	10	16	20	18	21	17	19
16	13	16	14	16	19	17	14	17	16	16	14	15	17	13	18	20	18	13	11	6	3	3	3	4	13
17	6	6	8	8	9	10	11	15	21	24	27	29	30	28	29	26	17	14	9	7	8	8	10	15	11
18	10	11	9	7	8	3	3	6	14	18	19	23	23	22	18	12	3	1	6	10	13	8	10	15	11
19	18	15	14	14	10	5	11	19	22	27	30	34	36	37	35	36	16	8	0	0	0	0	0	0	17
20	0	2	5	2	0	0	0	0	0	0	***	3	3	2	2	3	3	0	0	0	0	5	3	4	2
21	2	4	4	16	15	9	0	0	0	5	12	19	17	13	10	7	4	5	0	10	8	3	5	9	7
22	9	9	7	6	5	0	0	2	7	11	15	16	16	17	17	15	11	3	0	0	0	0	0	0	8
23	0	0	0	0	0	0	0	3	5	6	14	19	23	21	23	22	16	5	0	4	6	4	3	7	8
24	0	0	9	15	6	4	2	5	10	15	24	41	43	44	48	44	38	30	22	25	17	33	35	37	23
25	36	35	33	31	26	19	20	22	25	26	28	28	28	26	29	24	20	19	19	11	6	2	8	23	12
26	12	11	14	12	9	0	3	3	5	14	***	21	25	22	20	17	9	12	13	8	5	8	14	18	12
27	21	23	22	21	15	9	5	11	15	16	16	16	19	21	23	24	23	30	36	16	13	16	24	30	19
28	26	24	27	27	25	15	12	12	16	18	20	18	19	20	18	18	15	10	2	2	2	0	0	0	14
29	0	0	0	0	0	0	0	0	0	5	11	11	18	19	21	23	18	9	0	2	3	2	3	0	6
30	0	0	4	3	3	3	3	8	16	19	23	27	28	26	28	25	17	12	15	20	17	16	24	32	15
MEAN	12	12	13	13	11	8	6	8	12	15	19	22	24	25	24	22	19	16	11	8	8	9	9	11	14.0

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SE NO 51001															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	30	31	28	22	20	17	15	13	16	18	21	24	21	27	23	13	10	12	9	11	9	6	14	18
2	17	21	22	18	16	18	14	14	18	23	26	21	23	25	20	18	17	8	0	0	0	2	3	0	14
3	4	3	5	7	7	6	3	7	10	***	14	16	22	27	27	23	14	10	10	13	9	11	10	10	12
4	11	11	11	11	10	5	0	0	0	0	2	2	2	2	6	5	3	3	2	5	3	0	0	0	4
5	0	0	2	2	2	1	1	1	1	1	3	4	10	13	15	8	2	1	1	2	2	3	5	7	11
6	13	18	18	16	12	6	0	0	4	8	17	24	26	24	18	7	5	5	3	7	8	5	5	7	14
7	11	9	12	12	11	11	9	12	14	14	16	14	15	16	17	16	14	12	12	13	12	14	19	20	14
8	24	24	26	24	21	20	21	22	24	24	26	26	26	25	26	24	24	19	16	10	6	7	13	12	20
9	14	13	17	20	16	19	14	16	19	24	21	22	21	23	21	24	18	14	15	13	12	19	18	20	18
10	22	24	19	18	20	10	3	4	9	19	***	27	30	32	28	26	25	11	7	3	4	2	1	1	15
11	0	7	9	5	2	0	0	0	4	6	10	16	24	50	46	36	27	7	14	8	4	1	1	1	12
12	6	15	47	47	43	36	16	19	29	32	28	30	32	28	18	7	3	1	6	18	20	15	11	16	22
13	17	26	28	21	21	11	5	2	6	9	7	7	14	17	15	10	5	2	1	1	1	4	6	9	10
14	14	18	18	15	20	12	9	8	11	8	11	11	11	12	10	10	12	14	12	14	17	18	20	19	14
15	18	18	20	22	20	20	16	19	21	20	22	21	23	24	23	24	20	15	10	10	6	6	10	8	17
16	11	11	18	17	15	12	3	8	16	22	25	23	19	18	15	13	15	8	1	0	0	0	0	0	11
17	3	7	10	11	7	0	0	0	4	11	20	22	24	21	17	17	12	1	0	0	0	0	2	2	8
18	12	12	4	4	5	1	1	1	1	1	4	5	10	8	4	2	3	3	3	4	2	0	5	5	4
19	11	13	14	14	12	9	6	7	9	9	***	4	3	4	6	3	3	3	0	0	0	0	0	1	6
20	0	2	2	3	1	0	0	0	0	0	3	7	12	12	12	11	10	7	2	1	2	2	1	0	4
21	1	2	5	4	5	2	0	0	0	6	10	14	16	18	25	28	27	23	21	17	15	7	10	12	11
22	24	26	24	25	27	21	20	22	27	32	35	41	45	44	41	47	44	47	37	41	38	29	28	26	33
23	34	34	24	16	12	10	8	12	14	17	21	24	26	26	21	19	19	20	22	20	19	18	20	19	10
24	21	21	18	15	16	7	0	1	3	9	14	15	21	20	15	11	6	3	4	3	3	5	9	7	10
25	10	14	14	12	11	5	0	0	2	***	11	13	8	7	4	2	0	0	0	0	0	3	9	10	15
26	18	21	21	18	14	5	1	0	0	1	1	2	5	6	8	8	5	0	1	4	1	0	0	0	10
27	18	17	15	16	14	8	4	4	9	13	17	18	20	18	13	6	1	4	11	4	1	0	0	0	10
28	0	0	0	0	0	0	1	3	4	12	15	17	17	18	19	14	9	13	12	10	11	12	11	10	9
29	13	13	15	13	15	15	14	14	15	19	23	23	26	25	24	21	19	10	0	0	0	0	0	0	13
30	0	0	0	0	0	0	0	0	0	2	4	9	12	15	16	13	3	1	1	4	5	5	4	4	4
31	3	9	14	17	15	13	4	2	5	6	7	5	8	13	22	16	12	11	13	7	12	10	8	7	10
MEAN	12	14	16	15	13	10	6	7	9	13	15	16	19	20	19	16	12	9	8	8	7	7	8	9	11.9



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - SE NO 51001																MONTH - NOV 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	1	3	7	8	7	2	1	2	5	10	15	18	16	17	13	3	0	0	2	3	2	0	2	
2	5	7	13	14	14	11	6	4	7	10	17	24	29	27	22	7	1	0	0	0	0	0	0	0	9
3	0	0	0	0	0	1	0	0	1	8	5	***	18	20	22	10	1	0	0	0	0	0	0	0	4
4	0	0	0	0	0	0	0	1	1	1	2	5	7	7	9	4	3	2	6	12	13	22	19	12	5
5	13	14	17	19	22	21	21	20	20	21	19	20	16	18	13	3	1	3	2	1	0	0	0	0	12
6	0	0	4	19	33	29	15	3	2	3	14	18	16	15	14	16	12	12	15	14	13	6	3	12	
7	11	12	14	15	19	23	21	11	13	16	17	18	20	20	20	19	7	0	1	0	0	0	0	0	12
8	1	2	3	3	0	0	0	0	1	1	6	10	15	16	17	8	2	0	2	2	3	4	2	1	4
9	6	6	7	5	6	4	2	3	4	5	9	13	15	15	14	11	7	1	0	0	0	0	0	0	6
10	2	13	19	23	24	23	17	7	8	12	14	12	11	11	10	10	3	2	3	4	6	6	6	4	10
11	4	5	7	8	8	6	5	3	3	3	4	7	9	11	7	6	4	7	30	32	34	39	41	43	14
12	23	26	26	26	26	27	29	27	27	26	27	26	27	27	26	25	18	10	10	6	6	3	5	8	20
13	10	8	7	6	5	5	5	5	6	11	13	13	14	11	3	1	1	2	0	0	0	0	0	2	5
14	4	5	7	8	12	13	10	5	4	7	9	11	13	14	16	15	11	12	15	13	14	16	17	17	11
15	21	22	23	24	27	29	22	9	10	19	23	23	18	18	19	****	****	2	4	7	6	4	0	2	15
16	2	7	10	13	12	12	4	0	0	***	4	10	17	15	17	13	3	1	0	0	0	0	0	0	6
17	0	1	2	1	1	1	1	1	1	3	6	5	3	1	0	1	0	0	0	0	0	0	0	0	6
18	8	7	7	7	7	2	1	2	2	3	4	7	8	7	8	9	9	9	11	12	10	8	7	5	7
19	1	0	0	2	7	7	7	6	7	10	17	19	18	17	16	15	15	14	14	12	11	12	11	10	10
20	15	16	17	17	16	16	15	11	14	15	17	17	16	15	14	11	6	2	0	0	4	4	6	10	11
21	17	18	16	15	15	15	9	4	3	13	16	****	17	15	15	11	7	1	3	0	0	0	0	0	9
22	0	0	0	0	0	0	0	0	0	2	6	9	9	8	7	5	1	0	0	0	0	0	0	0	2
23	0	1	2	2	0	0	0	0	1	3	4	2	1	1	2	2	3	2	4	4	4	5	5	4	2
24	3	3	1	0	0	0	1	2	4	5	6	7	6	7	7	5	3	4	4	3	3	3	5	8	4
25	14	14	14	15	20	22	22	22	22	22	21	22	22	20	19	17	16	18	19	18	18	19	17	19	19
26	15	15	16	17	18	18	18	17	17	18	18	19	19	19	19	18	15	5	0	4	6	6	1	3	13
27	7	9	6	10	14	14	7	7	6	9	10	****	****	7	7	7	7	8	9	9	10	10	10	8	9
28	10	10	11	10	10	10	8	3	1	1	4	7	12	13	14	10	1	1	1	3	2	3	0	0	6
29	0	0	0	0	0	0	0	0	0	2	5	4	5	4	1	0	0	0	0	0	0	1	2	1	1
30	2	2	2	2	1	2	1	0	0	6	***	16	18	16	17	15	10	2	5	7	8	5	10	11	7
MEAN	7	7	8	10	11	11	8	6	6	9	11	13	14	14	13	10	6	4	5	6	6	6	6	6	8.4

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - SE NO 51001																MONTH - DEC 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	11	9	4	10	6	1	0	0	0	3	6	10	9	5	1	0	0	0	0	0	0	0	0	4
2	0	7	17	17	19	24	21	14	15	18	20	21	16	15	15	12	10	5	10	10	5	6	4	2	13
3	3	5	3	3	4	5	7	7	8	10	10	11	11	11	10	9	9	9	9	10	10	9	8	8	8
4	11	11	11	9	7	5	3	0	0	0	0	1	6	7	8	11	10	7	8	8	7	7	8	8	6
5	9	10	10	11	9	7	2	0	0	1	2	3	6	4	2	0	0	0	0	0	0	0	0	0	3
6	0	0	0	0	1	1	0	0	0	1	4	5	4	5	3	0	0	1	4	6	2	3	3	2	2
7	9	10	12	15	12	8	1	0	0	4	8	9	10	9	3	4	0	0	2	3	6	4	0	0	5
8	5	10	11	12	12	11	7	3	0	2	1	1	0	0	2	1	0	0	3	4	5	6	8	12	5
9	14	14	15	14	16	16	12	13	12	14	14	15	15	15	12	10	8	6	5	6	6	5	4	11	11
10	16	16	17	19	19	19	19	18	18	19	18	19	18	18	17	11	8	7	7	8	7	4	2	4	14
11	0	0	0	2	0	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0	0	0	0	0	1	1	0	0
13	1	1	2	2	4	4	2	1	0	1	1	1	1	1	1	0	0	1	3	3	4	7	7	8	2
14	10	11	12	13	14	15	10	8	9	12	****	****	14	15	11	4	0	0	0	0	0	0	0	0	7
15	3	3	4	6	6	7	3	2	1	0	0	1	1	2	2	0	0	0	0	1	1	0	0	0	2
16	0	1	2	2	2	1	1	1	3	6	5	4	9	7	4	2	0	0	0	0	0	0	0	1	2
17	2	2	1	0	0	0	0	0	6	9	12	16	16	16	17	17	18	20	19	20	21	20	20	11	
18	20	20	20	18	19	19	15	6	11	16	18	17	18	18	16	13	10	13	14	18	16	17	16	16	16
19	17	20	21	21	19	15	7	8	12	16	17	16	15	11	5	2	6	4	4	5	7	7	8	12	12
20	16	12	7	11	11	15	12	6	5	29	****	17	14	10	10	10	9	6	3	3	6	9	10	13	11
21	18	16	15	15	14	10	4	0	0	4	8	12	16	16	17	12	8	9	14	14	12	5	8	9	11
22	5	9	11	9	11	9	1	0	0	0	3	3	5	5	6	7	5	7	6	5	6	5	2	1	5
23	0	0	0	0	0	1	5	9	9	12	12	16	14	12	9	5	3	3	3	3	3	5	2	5	5
24	0	0	0	0	0	0	0	0	1	4	7	8	9	10	12	13	12	9	11	15	14	13	14	15	8
25	17	17	18	18	20	24	23	22	21	22	22	23	18	13	15	17	11	14	12	9	12	15	15	14	17
26	17	17	17	16	15	15	16	15	16	17	17	17	18	17	16	12	11	11	13	13	13	11	9	9	15
27	9	14	13	14	15	15	12	9	11	13	15	17	21	20	20	16	9	12	16	18	16	20	16	18	15
28	16	17	18	19	20	18	15	9	8	10	17	18	19	18	18	14	11	9	9	7	5	5	8	9	13
29	13	13	16	14	10	8	11	3	3	10	10	13	14	16	14	7	3	2	2	1	0	0	0	0	8
30	0	0	1	0	0	1	1	1	2	4	3	3	6	7	9	9	6	3	3	4	4	3	4	6	3
31	5	5	5	5	5	5	4	4	4	6	7	7	6	6	6	4	3	3	2	0	0	0	0	0	4
MEAN	8	9	9	9	10	9	7	5	6	8	9	10	11	10	9	7	5	5	6	6	6	6	6	6	7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	13.1	22	29
FEB	24	14.4	25	35
MAR	29	23.2	38	64
APR	30	26.6	37	48
MAY	30	34.1	63	133
JUN	22	33.6	76	123
JUL	5	38.5	79	95
AUG	31	23.8	53	91
SEP	30	14.0	35	75
OCT	31	11.9	33	50
NOV	30	8.4	20	43
DEC	31	7.7	17	29
YEAR	323	19.2	79	133

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	276	279	169	0	0	0	0	0	724
FEB	233	150	200	11	0	0	0	0	594
MAR	124	142	237	187	6	0	0	0	696
APR	73	127	214	299	0	0	0	0	713
MAY	96	63	160	284	94	15	3	0	715
JUN	65	96	108	168	55	21	6	0	519
JUL	24	25	37	12	35	15	0	0	148
AUG	208	183	126	126	84	6	0	0	733
SEP	330	202	121	49	12	0	0	0	714
OCT	355	248	112	25	0	0	0	0	740
NOV	463	192	51	6	0	0	0	0	712
DEC	492	233	16	0	0	0	0	0	741
YEAR	2739	1940	1551	1167	286	57	9	0	7749

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
88.5	0	0.3	7.8	15.9	24.2	38.8	48.3	68.4	77.7	133	19.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

PERCENTAGE OF DATA VALID - 92.7      PERCENTAGE OF DATA INVALID - 7.1      PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

PERCENTAGE OF DATA VALID - 99.1      PERCENTAGE OF DATA INVALID - 0.7      PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SE NO 56051										MEMORIAL PARK YORK/THIRD ST., CORNWALL										MONTH - MAR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	1	0	0	0	0	0	0	0	6	15	21	28	30	31	34	32	26	22	20	15	21	18	16	14	15				
2	15	5	11	17	22	19	16	14	17	26	29	31	31	30	32	30	29	21	16	32	25	22	20	23	22				
3	28	25	28	21	18	11	9	0	2	13	23	29	29	26	29	27	28	28	28	22	24	8	11	15	20				
4	20	16	19	21	24	20	17	22	26	28	28	29	31	30	30	28	26	23	18	17	20	22	21	24	26				
5	27	28	27	25	19	21	24	26	28	28	29	29	30	30	28	29	27	23	22	18	14	12	14	27	20				
6	28	29	26	26	29	29	28	25	28	29	29	30	30	30	28	30	25	19	16	15	7	11	7	7	22				
7	20	29	23	27	24	22	21	24	26	26	27	29	30	30	***	30	25	19	16	15	7	11	7	7	22				
8	4	6	10	13	19	20	14	16	18	21	23	26	29	31	31	29	26	22	20	24	24	26	23	24	21				
9	25	26	25	25	25	23	22	23	26	31	37	39	41	44	43	39	40	34	37	42	42	42	42	43	34				
10	43	39	44	44	44	42	37	32	34	36	45	49	56	61	62	62	59	42	27	13	11	11	10	0	38				
11	0	0	8	18	11	12	14	15	16	18	30	37	61	71	78	78	85	84	66	56	58	62	62	58	42				
12	57	55	57	50	56	53	49	44	51	54	54	56	52	38	28	26	23	20	17	12	3	0	2	37					
13	5	1	4	8	12	6	2	11	14	22	30	35	44	44	46	45	39	29	34	20	10	13	11	4	20				
14	11	10	8	6	18	28	36	27	26	17	18	22	35	35	32	32	27	30	32	32	35	35	35	32	26				
15	34	32	28	29	28	23	23	23	24	26	26	26	28	31	35	32	27	24	22	18	18	16	11	11	22				
16	25	23	22	19	17	11	14	21	21	27	27	30	32	34	32	32	27	21	15	16	18	16	11	11	22				
17	9	6	8	14	17	21	19	20	24	27	30	31	***	***	***	35	32	27	25	24	26	26	29	29	23				
18	32	32	32	32	32	30	31	29	29	30	34	35	37	40	40	38	38	39	39	40	40	40	39	39	35				
19	40	40	37	37	38	38	38	35	31	35	32	33	38	38	37	33	35	35	35	35	35	35	31	31	36				
20	32	33	32	31	30	28	23	25	28	33	33	36	35	35	35	35	31	33	34	20	15	27	28	23	30				
21	19	8	0	3	13	11	11	10	6	***	6	10	9	5	4	5	3	1	1	1	7	10	11	13	7				
22	20	23	28	29	30	32	30	29	29	29	30	32	36	35	34	31	29	27	30	30	30	32	34	31	30				
23	37	35	35	35	35	26	19	8	13	20	27	32	28	29	32	28	28	28	35	33	32	35	36	31	29				
24	29	30	30	30	30	30	25	26	28	29	30	30	33	34	34	35	34	32	30	24	21	15	12	3	27				
25	2	7	6	0	0	11	16	25	32	36	33	36	35	35	35	33	35	29	28	19	22	15	15	11	20				
26	16	18	25	25	25	35	36	35	34	29	27	29	30	31	33	29	27	30	31	30	30	30	30	29	31				
27	32	32	33	33	33	31	30	26	24	22	20	21	23	22	22	23	23	19	20	25	24	21	19	17	24				
28	22	22	25	26	24	25	24	23	22	28	32	38	40	42	35	30	25	25	24	21	19	14	17	17	24				
29	20	21	21	22	18	17	21	27	28	32	34	29	28	32	32	29	25	25	28	27	26	22	23	24	25				
30	22	23	25	28	24	22	22	26	30	31	31	32	35	36	36	32	29	30	35	34	34	30	28	24	29				
31	25	26	28	30	32	28	25	23	24	30	32	33	37	36	36	38	33	32	14	13	13	15	17	21	27				
MEAN	23	22	23	23	24	23	23	22	24	27	29	31	35	35	35	33	31	28	27	24	24	23	23	22	26.3				

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

POLLUTANT : OZONE - CHEM/COMB/RES/CONC																											
STATION - SE NO 56051														MEMORIAL PARK YORK/THIRD ST., CORNWALL													
MONTH - APR 78																											
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	19	24	27	33	35	36	29	28	30	30	25	11	29	50	63	48	39	36	25	24	22	23	25	29	31		
2	32	32	34	34	35	35	35	35	35	35	34	34	35	35	36	36	35	34	31	26	24	22	16	18	32		
3	31	30	26	27	28	27	34	32	32	***	***	31	34	38	38	32	26	23	24	27	28	29	29	30	30		
4	28	22	22	25	20	19	7	2	6	13	13	14	17	15	6	6	3	2	2	4	6	9	4	2	11		
5	0	0	1	2	5	13	15	15	21	24	24	25	28	27	26	17	15	15	16	16	16	20	20	21	16		
6	23	23	23	24	23	23	22	23	25	27	29	29	32	32	34	34	31	24	20	17	17	7	8	16	24		
7	24	21	16	22	25	27	20	16	13	16	13	13	17	19	20	18	19	19	12	13	18	19	19	21	16		
8	11	11	11	14	14	15	16	17	17	17	17	17	19	20	21	32	29	26	25	20	20	17	15	16	15		
9	22	23	24	24	25	24	24	26	26	27	27	27	29	31	32	29	26	25	20	20	17	15	16	12	22		
10	20	23	22	21	20	18	21	25	28	30	30	30	32	31	31	30	27	19	15	11	8	16	12	12	22		
11	28	30	30	24	23	26	24	12	11	11	14	14	12	17	18	12	1	13	17	18	18	22	18	15	18		
12	18	17	16	17	18	20	15	17	17	22	22	21	26	24	23	26	20	23	23	18	12	11	9	14	19		
13	16	11	13	9	1	1	1	2	4	***	44	44	***	***	44	37	30	30	28	28	28	29	28	32	30		
14	32	31	33	35	32	32	30	26	29	32	30	32	33	32	30	31	34	31	25	28	26	27	20	21	30		
15	21	23	25	24	27	24	25	28	29	28	27	29	31	31	33	30	29	25	22	21	18	17	19	17	25		
16	20	21	24	26	21	21	24	34	36	36	40	40	40	42	43	45	35	27	15	14	15	17	27	29			
17	32	32	30	30	30	28	28	29	38	39	42	42	45	46	41	38	36	35	27	23	23	27	19	15	32		
18	14	13	15	19	13	15	18	20	22	27	43	45	48	48	47	37	39	41	31	26	24	15	18	20	27		
19	26	26	22	28	31	27	10	16	26	37	39	45	37	40	38	36	36	37	35	32	40	43	40	39	33		
20	38	33	32	35	32	34	32	31	29	28	31	30	26	***	28	***	29	30	29	28	27	29	28	28	30		
21	31	32	33	35	38	34	22	23	30	33	31	35	35	35	34	35	26	22	19	17	19	23	14	10	28		
22	27	32	30	35	35	38	44	48	48	50	51	52	52	52	52	53	50	52	41	10	26	15	6	9	38		
23	24	29	22	28	28	36	48	52	54	55	57	59	57	61	61	59	56	37	21	17	21	30	28	40	46		
24	29	32	27	24	25	28	20	24	40	***	51	52	55	56	61	55	58	60	56	6	33	21	18	4	36		
25	26	52	51	50	36	39	48	52	51	51	52	52	61	64	61	63	58	59	43	14	0	0	2	41			
26	3	0	0	0	0	2	11	24	32	49	52	57	60	63	66	59	57	56	49	19	6	0	0	11	28		
27	31	12	0	2	0	5	23	40	34	46	54	53	58	56	60	62	57	56	35	3	0	0	0	0	29		
28	0	0	0	0	5	9	20	32	39	47	50	63	59	56	56	56	54	56	23	28	22	38	23	39			
29	30	22	24	31	25	22	28	39	40	46	51	53	56	55	49	46	50	47	41	40	41	39	29	32			
30	28	16	23	20	22	25	17	23	23	23	23	23	24	25	26	27	27	27	25	25	23	23	23	24			
MEAN	23	22	22	23	22	23	24	26	29	33	35	36	37	39	39	37	34	33	28	20	20	19	18	18	27.4		

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL																MONTH - MAY 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	21	20	20	18	17	17	16	29	29	29	29	29	***	27	25	22	24	24	23	26	21	23	26	23
2	30	29	29	30	32	29	30	31	34	34	36	40	40	43	40	36	37	40	32	12	15	16	8	21	30
3	36	36	30	24	24	21	29	38	43	41	43	42	41	42	41	42	44	44	40	36	32	22	32	26	35
4	21	34	32	28	23	16	27	39	44	41	45	52	55	46	47	50	51	49	32	47	35	26	19	20	37
5	11	7	5	3	3	8	18	25	32	40	46	48	54	49	56	37	59	47	43	38	33	30	44	46	33
6	43	37	40	33	29	27	35	42	48	51	54	43	59	55	31	56	51	57	51	40	43	34	28	29	42
7	27	24	25	25	24	26	28	36	24	46	50	54	55	57	62	62	64	64	45	21	15	16	18	34	38
8	39	46	50	48	41	33	36	45	***	66	61	65	68	71	72	78	81	87	88	77	75	80	71	61	63
9	58	55	50	53	51	42	43	48	49	54	56	57	54	61	67	72	68	63	63	66	61	57	54	51	56
10	49	42	47	44	37	31	29	31	31	28	33	40	43	36	33	30	37	45	38	27	15	18	10	1	32
11	4	10	12	13	10	14	19	26	34	44	50	52	53	51	51	52	57	58	52	52	16	26	37	42	35
12	36	36	20	26	27	24	25	22	44	39	54	59	52	60	60	66	60	55	40	19	40	50	52	69	43
13	88	85	82	81	75	68	65	64	61	56	62	78	80	77	73	71	68	59	52	55	48	23	18	21	63
14	27	69	58	58	62	59	55	52	57	61	63	56	64	59	68	72	77	74	64	68	68	60	59	55	61
15	43	38	38	40	49	46	42	40	***	45	48	47	48	43	44	45	48	50	47	43	39	41	42	42	44
16	45	45	45	45	41	35	38	36	36	38	43	***	***	57	63	69	62	55	48	41	36	30	34	32	44
17	31	31	29	29	28	27	22	18	22	25	27	32	39	40	40	43	43	35	29	19	15	11	6	3	27
18	6	13	19	14	9	6	7	17	36	48	57	60	67	76	68	55	57	59	51	45	46	36	30	36	38
19	41	41	40	41	38	35	31	30	34	42	48	51	55	54	58	60	59	58	61	60	62	57	68	87	50
20	95	99	94	84	68	52	45	54	66	76	75	79	81	85	94	102	116	109	105	97	94	75	69	68	83
21	61	59	54	54	30	29	34	35	42	46	48	45	46	47	47	46	45	45	37	36	35	35	28	30	42
22	30	26	28	24	23	24	26	31	32	35	42	44	48	48	47	47	45	43	38	34	37	38	38	40	36
23	34	32	34	36	34	30	40	46	***	50	53	53	55	54	54	57	68	63	56	27	20	18	23	34	42
24	36	42	42	36	21	20	27	44	60	81	81	83	80	80	81	62	69	69	57	38	45	44	48	61	54
25	59	53	49	44	40	34	35	36	45	49	53	61	73	82	81	83	82	73	54	37	38	41	50	57	55
26	57	59	55	54	37	31	32	27	35	48	67	78	79	83	90	90	80	66	55	34	40	15	28	35	53
27	35	39	35	35	36	36	38	41	44	54	63	70	73	73	73	62	64	61	61	47	42	45	42	49	51
28	50	48	36	42	43	42	40	38	36	44	51	56	61	66	69	71	63	66	63	52	49	47	47	46	51
29	48	41	41	38	35	36	22	35	40	48	62	60	58	57	53	52	55	53	41	35	34	32	31	30	43
30	30	28	28	23	22	19	20	29	37	***	***	***	***	***	***	109	81	57	42	56	58	58	57	44	43
31	58	58	53	44	38	24	23	53	66	74	91	90	101	108	106	99	101	72	58	57	48	44	44	42	65
MEAN	40	41	39	38	34	30	32	36	41	48	53	56	59	61	60	60	63	59	51	43	41	37	37	40	45.6

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION												
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST... CORNWALL														MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	40	35	33	22	18	18	21	23	29	32	31	31	37	36	35	35	32	30	22	19	15	11	14	11	26	
2	11	11	12	14	6	5	5	17	48	69	83	92	93	92	83	52	82	79	68	73	79	88	88	55	54	
3	40	34	39	35	37	38	37	34	37	39	46	48	51	50	51	53	55	52	38	38	38	31	30	27	41	
4	29	30	35	37	39	42	46	51	58	62	58	55	57	58	58	53	44	27	23	20	23	19	25	34	41	
5	41	42	42	41	27	18	5	13	29	37	***	49	49	50	44	39	39	39	38	35	35	37	19	35	39	
6	19	19	22	21	21	20	28	29	31	43	54	59	64	65	63	57	57	57	53	60	54	47	46	48	43	
7	47	53	55	53	48	45	44	54	67	79	96	100	103	101	98	90	90	89	84	73	65	62	59	60	71	
8	59	61	45	48	46	36	32	37	25	34	47	59	63	43	77	70	45	29	19	22	23	26	28	42		
9	28	29	31	32	32	32	35	40	45	50	58	64	63	60	56	45	41	37	32	30	28	21	15	21	39	
10	14	8	21	25	26	22	30	43	45	48	49	51	55	57	60	60	55	54	49	35	33	29	32	43	39	
11	45	65	68	59	53	53	65	87	101	105	108	110	113	113	110	104	103	108	107	100	88	82	91	95	89	
12	91	85	87	88	87	81	79	82	90	94	96	99	106	107	101	100	104	98	89	77	75	88	88	76	90	
13	72	75	77	70	29	14	11	11	12	11	7	10	17	17	14	14	18	20	19	21	25	24	22	22	26	
14	21	24	34	32	34	35	30	***	26	30	34	39	42	43	46	50	53	53	48	40	41	46	39	37	38	
15	37	31	35	33	34	32	38	45	43	59	62	59	58	59	57	55	53	54	46	32	25	21	13	13	41	
16	42	48	39	42	39	31	42	51	62	59	50	50	55	53	54	55	55	49	50	11	6	5	16	31	41	
17	34	45	46	63	75	76	73	74	77	84	96	98	102	99	98	93	88	85	83	77	78	75	74	78	78	
18	76	76	78	81	75	70	60	57	58	64	68	66	78	80	79	77	70	53	58	41	47	49	35	40	64	
19	49	42	41	33	35	37	32	27	33	34	26	34	35	25	21	19	19	20	16	15	14	23	29	26	29	
20	29	29	25	26	25	28	42	41	34	28	35	35	37	***	31	18	8	13	11	26	20	13	8	2	25	
21	4	16	17	22	21	12	13	25	45	63	71	72	69	60	59	51	49	47	44	31	21	26	30	28	37	
22	55	69	74	74	58	50	41	40	46	49	50	48	45	44	45	47	47	48	49	53	55	59	61	60	53	
23	50	46	42	45	44	36	37	35	34	25	20	14	17	21	31	27	21	22	28	24	25	26	21	22	30	
24	24	21	19	17	18	19	18	45	48	52	45	45	47	53	54	54	53	56	53	43	42	44	40	39	38	
25	39	39	44	45	42	42	44	45	48	52	57	58	58	64	70	83	85	82	78	59	42	40	35	37	54	
26	43	44	52	51	45	45	48	53	75	86	81	75	69	63	68	70	68	69	68	63	65	72	75	76	64	
27	77	75	70	64	55	49	55	53	63	75	61	52	61	62	64	79	82	83	86	90	79	63	57	56	67	
28	57	53	47	41	37	35	35	40	45	46	47	49	52	50	46	47	48	45	44	44	44	44	44	44	44	
29	30	26	22	19	22	22	30	38	***	***	41	44	48	46	36	30	27	26	26	20	3	4	8	7	10	21
30	14	19	24	24	19	17	18	22	24	24	25	28	29	34	34	31	30	28	28	20	3	4	8	7	10	21
MEAN	41	42	43	42	38	35	36	41	47	52	55	56	59	60	57	55	55	52	48	42	40	39	38	38	46	46

POLLUTANT - OZONE-CHEMILUMINESCENT		UNITS - PARTS/BILLION																							
STATION - SE NO 56051		MEMORIAL PARK YORK/THIRD ST., CORNWALL												MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	13	13	14	14	16	21	25	29	31	32	32	34	34	33	33	32	31	24	13	9	5	1	2	21
2	3	3	2	3	7	11	14	16	27	32	34	35	37	38	40	39	39	41	38	26	24	26	25	17	24
3	24	28	9	0	2	7	17	23	29	35	41	46	51	51	51	50	47	45	31	32	26	22	29	31	30
4	34	36	36	27	26	12	20	41	***	46	47	49	49	48	45	42	40	40	30	22	9	0	0	0	30
5	***	19	22	24	28	31	32	44	42	52	54	65	65	61	52	44	43	43	50	57	9	66	62	58	47
6	59	57	51	51	54	46	47	53	56	66	72	70	78	73	70	70	68	66	84	76	60	55	52	53	62
7	55	55	58	57	49	51	55	51	61	70	82	85	90	94	101	94	87	88	97	93	78	72	68	68	73
8	61	60	55	52	50	52	55	55	68	50	67	66	63	61	60	53	58	44	36	48	44	46	40	43	54
9	38	19	31	36	36	28	16	19	24	27	29	34	36	36	34	37	34	35	32	25	18	17	17	20	28
10	26	28	30	32	34	29	31	36	45	45	38	49	56	45	32	29	26	22	16	15	17	14	14	12	30
11	11	10	10	8	10	11	13	17	21	22	23	27	27	***	***	27	29	27	25	23	10	16	19	21	19
12	21	18	18	14	12	14	18	21	25	25	33	37	38	32	31	33	34	34	44	34	30	27	32	35	28
13	36	33	28	29	27	22	19	26	41	49	48	50	51	51	54	62	61	51	39	29	33	39	42	41	40
14	40	41	40	39	40	43	45	47	50	53	58	60	61	58	59	60	62	61	51	32	11	3	1	2	42
15	0	4	6	12	14	21	25	36	45	51	55	68	69	64	60	55	56	58	63	59	55	61	64	63	44
16	62	69	71	60	55	57	58	57	59	60	57	51	44	44	44	43	39	33	27	22	17	17	17	15	45
17	17	16	15	15	14	12	13	15	18	21	23	32	***	***	***	35	36	35	30	20	11	6	3	6	19
18	7	12	10	10	11	13	16	19	23	28	29	38	36	35	34	38	41	42	42	43	39	41	39	42	29
19	45	46	47	48	49	49	49	43	43	44	47	54	74	78	89	94	89	87	83	78	59	45	50	54	60
20	51	60	62	62	61	59	56	55	56	63	70	73	85	92	97	102	102	103	105	96	88	92	98	102	79
21	106	102	101	94	91	89	75	72	63	63	59	59	60	59	59	64	61	51	52	58	47	41	35	56	67
22	57	53	49	43	35	23	19	16	16	22	26	26	35	40	41	39	39	38	25	22	14	14	12	30	30
23	11	14	23	57	63	57	***	***	***	***	***	***	20	23	26	28	26	25	19	14	9	11	10	13	***
24	***	***	***	***	***	***	***	***	***	***	***	***	45	50	57	67	66	67	62	56	53	49	44	41	36
25	14	13	13	10	7	8	8	11	17	21	37	41	45	50	57	67	66	67	62	56	53	49	44	41	36
26	37	35	35	36	35	29	26	30	38	40	42	43	39	36	35	36	39	40	35	27	46	46	43	44	37
27	44	46	47	46	44	44	42	37	35	25	29	33	47	55	56	48	52	53	42	29	43	46	43	43	43
28	39	35	26	17	10	15	11	10	12	14	16	18	20	20	21	22	24	22	24	17	9	10	10	11	18
29	13	15	16	17	17	17	16	16	16	17	21	25	26	23	20	17	18	20	17	13	15	18	19	18	18
30	13	11	11	12	11	8	8	9	9	9	9	9	11	14	16	18	19	20	21	9	0	1	6	3	11
31	2	5	5	2	2	0	2	11	21	26	25	27	29	32	32	34	32	29	31	34	30	23	26	26	20
MEAN	32	32	31	31	30	29	29	31	35	38	41	45	47	48	48	47	47	45	43	37	33	31	31	32	37.2

PERCENTAGE OF DATA VALID - 95.0

PERCENTAGE OF DATA INVALID - 5.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SE NO 56051															MONTH - AUG 78										
MEMORIAL PARK YORK/THIRD ST., CORNWALL																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	24	22	20	19	15	13	16	23	29	38	41	45	48	50	54	52	50	45	28	14	11	19	19	30
2	27	27	29	29	29	22	22	27	30	37	45	56	53	53	62	71	75	79	69	50	41	44	44	45	44
3	53	57	60	61	69	76	73	70	***	31	35	44	39	32	24	26	27	28	16	17	18	21	22	22	40
4	23	24	19	14	16	16	14	17	20	22	22	23	23	24	25	27	26	24	18	8	10	17	19	19	20
5	19	19	19	20	20	19	18	22	26	32	39	46	51	55	54	51	50	46	49	45	34	34	29	26	34
6	22	28	29	29	26	23	26	45	51	58	63	69	71	68	66	62	61	61	46	41	39	39	38	37	46
7	35	40	38	30	27	24	35	41	43	55	61	66	77	90	92	89	78	71	54	44	33	34	32	28	51
8	28	26	22	20	19	12	8	11	17	23	27	21	32	44	46	35	36	37	41	43	47	54	65	72	33
9	65	58	54	54	54	55	49	48	51	51	50	51	51	48	45	47	48	49	51	49	48	42	37	22	49
10	21	16	14	12	8	4	5	9	18	20	24	25	29	30	32	33	40	46	30	8	7	2	3	15	19
11	13	12	13	14	13	11	13	14	15	31	31	35	41	39	***	45	40	33	21	3	1	0	9	10	20
12	8	10	17	2	0	0	8	20	28	39	46	52	55	54	54	54	59	57	42	32	20	14	10	17	29
13	21	25	27	28	29	27	25	30	47	49	53	61	60	58	59	62	63	66	70	73	76	76	77	82	52
14	82	81	73	76	66	61	56	47	43	43	47	45	45	48	51	55	57	47	23	14	8	11	18	48	48
15	23	30	34	34	31	16	17	24	37	47	53	60	56	52	46	42	40	34	21	25	40	44	51	38	44
16	55	51	48	46	41	30	27	31	43	52	53	53	53	47	46	46	41	37	39	42	37	41	43	46	44
17	48	45	42	38	30	29	23	22	21	23	27	30	30	26	25	27	25	21	13	14	13	10	7	7	25
18	6	7	7	7	7	4	6	15	19	22	23	27	36	41	43	35	36	36	25	10	9	15	13	12	19
19	14	16	16	16	17	16	14	16	21	24	27	28	29	26	27	28	26	24	16	12	37	52	46	40	25
20	42	38	31	28	24	18	15	13	15	14	16	17	18	19	21	23	21	20	10	1	0	0	0	0	17
21	1	3	5	1	0	1	2	5	10	19	23	26	26	29	34	32	32	35	24	9	14	15	19	16	16
22	13	16	16	17	16	10	13	17	26	31	30	35	37	37	27	26	28	23	18	17	16	16	19	22	22
23	20	22	23	21	19	16	15	14	14	13	12	10	9	9	8	6	5	4	2	2	2	1	1	1	10
24	0	0	0	1	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	***	16	16	21	25	25	26	28	26	29	26	14	0	0	0	0	0	11
26	0	4	7	6	5	7	8	15	21	21	25	29	31	27	26	24	24	20	12	8	6	4	4	1	14
27	0	0	4	2	0	0	6	16	18	21	26	29	32	37	35	38	41	44	40	38	39	38	41	40	45
28	34	30	28	29	26	17	9	8	10	9	8	7	16	35	37	41	44	40	38	39	38	41	40	45	28
29	45	46	38	37	35	28	21	17	16	21	24	25	26	25	24	27	35	35	32	35	39	35	24	25	30
30	21	15	12	11	11	10	10	13	19	20	25	30	31	32	32	28	27	23	22	18	19	14	15	14	20
31	13	9	12	8	7	0	4	9	9	11	11	18	30	40	45	51	56	47	24	16	9	0	0	0	18
MEAN	25	25	24	23	21	18	18	22	24	29	32	35	37	39	39	39	39	37	30	24	23	23	24	24	28.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - SE NO 56051													MEMORIAL PARK YORK/THIRD ST., CORNWALL												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	6	11	25	23	21	25	27	****	32	28	30	19	9	12	14	3	10	15	13
2	18	23	23	24	23	20	25	27	31	36	41	57	61	63	66	63	57	50	42	44	42	42	42	43	40
3	43	40	36	38	40	39	42	44	40	38	36	36	39	48	48	40	34	15	4	2	2	4	6	7	30
4	6	7	7	9	9	7	8	10	16	19	20	21	23	23	24	25	24	22	24	20	19	24	24	22	17
5	22	21	20	18	16	8	4	8	21	43	52	64	66	68	68	73	73	54	41	46	48	47	38	42	38
6	6	12	11	13	7	0	4	8	21	17	19	22	24	26	27	24	23	21	15	9	3	0	0	7	15
7	41	32	19	15	12	12	11	9	***	17	19	22	24	26	27	24	23	21	15	9	3	0	0	0	17
8	0	0	0	0	0	0	0	7	12	11	19	22	24	26	25	21	30	17	3	0	0	6	6	4	10
9	14	14	9	11	15	15	18	21	19	17	20	20	20	17	15	13	14	10	4	0	0	0	0	0	12
10	0	3	4	6	7	3	2	11	9	9	11	13	15	16	15	15	14	9	0	0	0	0	12	10	8
11	13	13	15	14	7	10	4	4	8	14	24	38	40	40	32	28	28	34	25	26	14	12	7	14	19
12	14	11	13	14	13	12	10	13	17	18	23	24	24	24	23	23	23	13	3	0	0	5	5	2	14
13	1	9	11	7	9	4	6	10	17	19	19	23	27	29	31	28	28	19	15	7	1	17	10	0	14
14	0	0	0	0	0	0	4	11	17	25	26	23	26	30	27	24	22	25	28	28	17	28	30	34	18
15	37	37	32	29	25	20	16	16	16	16	17	25	35	37	35	35	42	50	44	41	35	26	25	28	30
16	35	33	35	31	29	25	27	22	22	24	26	26	26	23	19	18	17	10	9	5	6	8	8	3	20
17	0	3	5	10	9	8	11	16	18	22	26	26	28	28	32	31	24	17	12	6	3	0	0	6	14
18	5	0	0	0	0	2	3	6	12	19	20	21	24	26	19	17	18	14	6	12	13	17	21	22	12
19	20	9	2	4	0	4	7	11	18	28	37	46	50	45	43	47	33	15	0	0	0	0	0	0	17
20	7	17	9	8	12	15	9	11	10	28	29	32	35	35	34	30	36	27	7	5	17	13	18	13	19
21	10	11	19	21	17	14	9	13	18	****	25	27	26	****	15	13	16	7	0	0	5	8	7	10	13
22	10	9	7	6	5	2	2	3	6	9	12	15	16	17	16	14	16	7	0	0	0	0	0	0	7
23	1	1	1	1	1	1	5	16	31	17	26	24	26	29	27	25	27	24	9	5	7	11	9	10	14
24	11	9	12	9	12	9	19	21	19	29	36	32	34	38	39	42	39	37	46	43	46	38	45	44	30
25	47	46	38	27	22	19	14	13	16	17	20	21	24	24	27	24	22	15	7	10	7	3	2	2	19
26	0	1	2	3	3	0	3	7	19	24	26	26	27	28	27	26	28	21	20	21	23	22	23	22	17
27	28	30	27	25	28	24	19	24	28	29	35	38	40	46	42	43	42	24	18	40	50	46	42	39	34
28	17	18	21	21	20	22	18	17	19	15	13	14	14	17	19	15	10	6	6	4	2	2	2	2	13
29	0	0	0	0	2	2	3	6	11	15	17	18	21	22	23	20	19	10	8	11	6	6	4	9	10
30	4	10	10	11	14	14	17	20	27	32	35	39	40	34	39	36	24	17	16	19	28	30	34	36	24
MEAN	14	14	13	13	12	10	11	14	18	21	25	28	30	32	31	29	28	22	15	14	14	14	15	15	18.7

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - SE NO 56051													MEMORIAL PARK YORK/THIRD ST., CORNWALL													
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
DAY																										
1	28	28	26	26	27	28	26	23	18	19	16	19	21	28	32	29	24	22	15	11	11	10	9	11	21	
2	12	9	9	14	8	5	7	***	***	***	21	24	24	26	23	23	19	21	17	7	5	5	0	0	13	
3	0	0	4	5	9	10	6	11	12	14	15	16	18	19	18	16	18	18	14	14	11	7	3	0	11	
4	0	13	16	17	16	17	15	18	19	17	15	16	16	15	18	14	14	15	13	13	11	10	9	10	14	
5	11	10	9	11	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	10	15	34	43	31	23	22	24	17	15	17	22	27	21	23	23	16	10	0	5	19	17	14	12	12	
7	16	17	17	15	12	11	11	10	11	12	14	16	17	14	18	16	16	16	16	15	14	16	16	16	15	
8	18	18	21	22	24	24	25	22	22	24	23	24	24	26	25	24	25	24	23	20	20	19	17	15	22	
9	18	18	17	17	15	19	16	14	19	24	25	27	28	25	28	25	25	24	27	28	27	26	24	22	22	
10	24	20	21	22	18	17	14	16	16	18	15	22	26	35	36	32	27	19	25	16	12	15	13	11	10	
11	13	6	1	1	1	1	1	1	1	4	8	29	37	33	37	37	25	12	6	0	0	2	0	24	12	
12	39	36	35	34	33	32	29	28	***	32	28	28	28	***	44	44	43	42	41	36	39	38	36	35	35	
13	32	32	31	32	28	25	18	21	22	20	18	17	12	11	12	8	7	4	1	1	1	1	1	4	15	
14	8	11	11	7	9	12	13	11	13	13	11	11	13	12	11	9	11	10	11	12	14	12	14	15	11	
15	18	18	19	19	18	20	18	20	17	21	22	23	24	24	23	24	22	25	18	15	13	13	14	10	19	
16	12	14	12	9	12	5	3	4	11	17	24	28	28	28	24	20	17	7	0	0	0	0	2	5	12	
17	2	2	1	3	2	1	1	1	7	13	17	20	20	22	***	21	21	20	10	9	12	14	0	20	11	
18	18	20	20	19	20	17	10	16	20	23	23	21	22	22	22	19	19	18	18	21	21	19	16	13	19	
19	9	9	11	12	12	11	9	8	10	13	10	11	12	12	12	8	6	2	0	1	1	1	1	0	8	
20	0	0	0	0	0	0	0	4	10	16	19	20	21	19	17	17	16	14	17	19	19	20	21	22	12	
21	17	16	15	16	15	14	14	15	19	22	27	35	40	45	52	52	51	49	45	46	47	47	44	40	33	
22	43	43	41	38	38	36	32	35	41	43	47	49	57	62	65	67	61	60	52	56	59	60	57	54	50	
23	46	40	35	25	18	7	5	7	13	12	13	13	11	15	19	22	12	3	4	10	14	15	14	11	16	
24	12	12	13	12	8	3	1	5	18	21	21	22	21	21	20	17	18	17	15	15	15	15	19	18	15	
25	21	19	15	13	10	8	9	13	17	17	20	21	22	22	21	18	16	13	21	28	24	25	24	27	19	
26	28	31	30	29	26	22	18	16	***	17	9	9	5	6	2	4	5	3	0	1	5	4	4	4	12	
27	8	13	18	17	17	13	12	11	14	1	19	19	20	26	20	16	16	14	14	14	14	10	12	19	16	15
28	15	12	13	18	18	16	13	12	11	19	20	21	22	22	19	17	16	17	14	12	13	11	9	5	15	
29	5	6	7	11	8	8	7	5	6	15	20	19	18	18	18	18	21	15	4	1	0	2	6	2	0	9
30	3	2	0	0	0	0	0	0	2	14	20	27	33	28	26	21	12	9	13	17	19	20	26	27	13	
31	29	26	23	21	18	15	14	12	17	23	18	16	24	22	22	18	11	10	7	13	4	8	10	11	16	
MEAN	17	17	17	17	15	14	12	13	15	18	19	22	24	24	24	23	20	17	15	15	16	15	15	15	17	16



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT		UNITS - PARTS/BILLION																							
STATION - SE NO 56051		MEMORIAL PARK YORK/THIRD ST., CORNWALL												MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	10	7	5	2	1	0	2	3	10	18	23	23	24	24	21	14	10	13	15	16	18	18	19	13
2	23	27	25	18	16	12	11	10	12	13	21	26	28	30	32	29	19	13	12	11	6	7	6	4	17
3	5	4	2	2	10	4	3	1	0	5	26	40	44	31	28	21	4	2	1	0	0	1	8	0	10
4	2	0	0	0	0	0	0	0	5	14	30	50	60	62	64	47	49	58	53	15	4	0	4	5	22
5	18	19	16	11	11	10	10	10	11	11	11	11	12	11	9	5	0	0	0	2	4	4	4	4	9
6	15	19	18	16	15	14	12	9	***	31	32	31	37	31	17	8	1	9	9	12	15	16	17	17	10
7	22	11	14	17	18	16	13	8	4	9	15	15	18	17	17	16	5	2	3	3	0	0	1	0	11
8	0	1	1	1	1	2	0	1	4	10	13	19	22	22	23	24	16	9	11	14	16	18	16	17	11
9	17	19	20	20	21	18	13	12	13	17	21	19	21	20	20	19	14	11	11	9	10	9	7	1	15
10	3	4	1	0	0	7	16	13	14	16	15	15	13	12	10	4	0	***	2	3	2	1	0	0	7
11	0	0	1	1	1	0	0	1	0	3	19	21	14	17	23	12	5	5	4	11	13	14	15	17	8
12	20	23	25	25	26	23	24	15	25	19	26	26	28	28	26	24	16	13	16	16	6	0	***	***	20
13	2	5	15	16	13	13	11	11	12	16	16	17	19	16	10	6	1	2	7	10	11	12	9	10	11
14	12	15	17	20	23	25	24	24	25	27	25	10	16	12	16	18	16	10	11	15	18	17	14	12	18
15	12	12	14	15	17	19	26	24	25	26	***	***	27	25	21	12	1	1	2	1	2	1	1	8	13
16	3	1	5	8	12	11	6	3	4	12	15	20	24	24	22	20	5	0	0	0	0	0	0	0	8
17	6	2	0	0	0	0	***	***	2	8	11	14	10	5	3	3	5	1	13	20	22	23	23	23	9
18	23	20	17	7	7	5	6	7	10	13	19	21	20	15	11	13	16	17	17	16	16	12	14	14	14
19	13	8	12	15	17	18	18	17	18	19	19	29	27	25	24	21	21	20	20	19	16	17	10	18	18
20	14	14	13	15	15	17	16	9	14	***	***	25	25	26	24	20	9	7	8	8	3	7	7	7	14
21	14	14	13	15	11	9	8	7	10	20	23	21	26	25	26	25	13	5	5	3	1	1	0	0	12
22	0	1	1	1	0	2	7	2	1	3	16	23	27	25	26	17	5	2	2	1	1	8	5	1	7
23	1	1	1	1	2	2	2	3	3	6	13	13	12	11	10	12	11	13	13	13	21	21	22	22	10
24	23	23	22	22	20	15	6	3	4	5	7	8	11	11	12	13	11	12	15	16	16	16	16	17	14
25	17	18	20	20	21	22	24	29	29	28	29	29	28	27	24	15	14	18	21	20	19	20	21	23	20
26	24	24	24	23	22	24	24	23	22	25	26	26	27	28	26	22	20	19	14	9	5	3	2	6	20
27	13	14	11	13	11	9	12	13	14	16	16	11	17	16	14	14	15	15	16	17	16	15	5	6	13
28	7	6	6	8	13	16	16	14	11	6	6	9	10	12	13	17	19	20	15	12	17	18	20	14	13
29	6	1	10	4	1	1	2	0	1	4	9	11	19	21	21	15	0	4	11	11	15	17	19	17	9
30	14	7	10	11	11	9	7	6	6	10	13	17	16	15	12	18	18	16	14	14	13	12	13	15	12
MEAN	11	11	11	11	11	11	11	10	10	13	18	20	23	22	21	18	12	10	11	11	10	10	10	10	13.2

PERCENTAGE OF DATA VALID - 98.6      PERCENTAGE OF DATA INVALID - 1.4      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - SE NO 56051															MONTH - DEC 78										
MEMORIAL PARK YORK/THIRD ST., CORNWALL																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	18	19	19	17	15	14	11	9	16	17	17	18	17	15	11	6	5	6	6	6	8	9	12	13
2	10	7	5	5	16	20	21	22	22	20	19	21	23	22	21	19	17	16	14	12	7	4	4	4	15
3	6	5	10	11	11	10	7	6	8	13	15	15	16	9	10	13	13	11	7	1	0	1	1	1	8
4	0	0	0	3	3	2	2	1	1	2	1	3	10	10	9	10	12	14	15	15	13	14	13	11	7
5	14	13	11	11	11	8	7	6	7	10	11	12	14	15	15	14	12	13	11	7	7	4	6	7	10
6	6	9	10	12	12	10	8	8	8	10	10	11	9	7	9	****	0	2	3	5	5	6	5	4	10
7	12	13	14	14	13	13	12	10	9	11	12	13	12	10	5	****	6	5	8	9	8	5	8	4	4
8	6	3	0	3	7	10	7	4	6	2	2	2	0	0	1	4	0	2	2	1	4	8	8	4	4
9	9	10	11	13	16	14	14	14	15	13	14	14	14	15	11	10	9	9	12	7	4	5	8	7	11
10	8	14	16	16	17	18	19	18	17	18	18	18	17	18	17	16	15	14	9	15	12	13	12	13	15
11	14	11	13	15	15	10	9	9	12	13	12	12	14	11	13	9	6	8	7	5	8	6	6	8	10
12	6	7	8	10	9	9	9	7	6	7	6	7	7	4	4	2	2	4	5	5	5	7	5	8	6
13	7	8	7	8	7	9	7	6	6	6	6	9	12	9	9	7	3	2	2	4	7	2	5	2	6
14	0	4	7	9	10	10	10	9	11	13	14	14	17	15	11	7	6	5	8	6	10	9	9	10	9
15	13	12	11	11	11	10	8	6	8	9	9	8	7	16	11	10	12	10	11	10	12	10	11	10	10
16	9	6	7	10	11	12	10	8	11	11	15	25	17	8	6	2	1	1	1	1	1	2	2	6	8
17	7	2	11	14	15	16	14	7	8	11	12	16	20	22	22	22	23	23	23	23	22	22	26	25	17
18	25	23	23	25	24	24	24	24	26	26	25	24	26	26	27	24	23	27	26	27	27	28	28	28	25
19	29	28	27	27	27	26	25	24	26	27	26	27	27	27	26	23	23	26	24	24	19	20	22	23	25
20	24	25	25	24	24	17	16	11	9	13	19	15	17	16	19	16	14	19	16	14	12	13	14	15	17
21	18	14	8	12	9	4	1	1	3	7	12	15	25	23	21	23	18	25	22	22	19	17	20	22	15
22	22	19	23	20	16	15	12	10	15	23	22	27	16	10	10	5	3	4	1	1	2	9	14	12	13
23	13	13	15	14	26	20	18	24	23	20	24	24	25	24	23	18	21	20	16	9	3	3	0	5	17
24	8	11	12	15	9	11	0	2	5	8	10	12	15	11	5	6	13	15	11	13	8	4	3	5	9
25	25	23	22	21	24	25	24	25	25	26	26	26	26	22	24	20	23	22	21	20	20	20	20	19	23
26	25	23	22	21	20	21	23	25	26	26	26	26	26	22	24	19	22	22	25	21	24	23	20	23	21
27	20	17	16	19	18	19	17	19	17	19	22	22	22	22	24	19	22	22	19	24	21	20	22	22	18
28	13	8	12	11	11	12	8	11	***	28	25	26	26	26	24	23	22	19	24	21	20	22	22	18	19
29	18	17	20	19	18	16	13	12	15	18	21	20	21	18	21	14	7	0	0	0	0	0	0	0	12
30	0	0	0	0	0	0	0	3	5	5	15	16	18	18	15	11	9	12	8	4	4	0	0	0	6
31	0	0	0	0	0	0	0	0	3	5	6	7	4	4	3	2	0	0	0	0	0	0	0	0	1
MEAN	12	11	12	13	14	13	12	11	12	14	15	16	17	15	15	13	12	12	12	11	10	10	11	11	12.7



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	16.3	25	35
FEB	28	18.2	31	43
MAR	31	26.3	42	85
APR	30	27.4	41	66
MAY	31	45.6	83	116
JUN	30	46.3	90	113
JUL	29	37.2	79	106
AUG	31	28.1	52	92
SEP	30	18.7	40	73
OCT	31	17.4	50	67
NOV	30	13.2	23	64
DEC	31	12.7	25	29
YEAR	360	25.7	90	116

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	169	260	257	4	0	0	0	0	690
FEB	157	173	288	48	0	0	0	0	666
MAR	67	130	305	210	25	2	0	0	739
APR	64	157	241	184	66	0	0	0	712
MAY	17	41	106	299	227	32	9	0	731
JUN	18	75	112	243	192	57	18	0	715
JUL	64	125	110	218	156	25	9	0	707
AUG	140	143	175	181	96	6	0	0	741
SEP	237	188	164	113	14	0	0	0	716
OCT	180	325	157	61	15	0	0	0	738
NOV	270	300	123	12	5	0	0	0	710
DEC	322	264	155	0	0	0	0	0	741
YEAR	1705	2181	2193	1573	796	122	36	0	8606

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.2	0	3.8	14.4	21.6	29.6	51.8	61.7	78.2	89.0	116	25.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE																MONTH - FEB 78									
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	17	33	31	30	27	27	29	27	27	33	37	39	43	44	46	51	43	40	43	45	41	40	39	38	36
2	41	39	39	39	37	37	30	29	37	39	40	41	43	44	45	-	-	-	-	-	-	-	-	-	*****
3	- DATA UNAVAILABLE -																								
4	- DATA UNAVAILABLE -																								
5	- DATA UNAVAILABLE -																								
6	- DATA UNAVAILABLE -																								
7	- DATA UNAVAILABLE -																								
8	- DATA UNAVAILABLE -																								
9	- DATA UNAVAILABLE -																								
10	-	-	-	-	-	-	-	-	-	-	-	38	45	46	46	44	44	34	29	24	22	19	16	11	*****
11	12	26	37	37	38	35	31	29	26	32	39	40	43	43	43	44	44	41	41	41	40	40	38	36	37
12	33	32	35	39	39	40	40	39	39	40	40	40	40	41	41	40	40	40	40	40	39	38	37	37	39
13	39	38	38	35	36	35	31	34	36	38	41	42	45	50	49	46	40	35	31	31	37	35	34	33	38
14	32	31	34	35	35	35	35	35	33	34	35	38	40	43	43	42	43	43	39	37	35	33	32	22	36
15	27	28	28	26	26	27	28	28	28	34	37	46	31	33	42	44	45	43	44	32	29	25	22	22	32
16	21	21	23	20	21	20	14	15	16	24	30	32	24	32	38	34	31	32	35	29	28	22	24	35	26
17	38	28	21	30	34	32	33	35	30	25	24	32	42	44	45	48	45	45	43	36	32	34	11	13	33
18	16	17	21	23	22	16	14	16	26	29	34	38	36	36	36	45	49	49	43	38	33	34	32	28	30
19	27	24	23	21	20	21	19	18	19	24	28	31	36	37	40	44	43	38	35	32	20	7	9	14	17
20	19	19	17	18	18	15	15	16	21	29	35	34	42	50	49	42	37	29	19	10	7	9	14	17	24
21	21	35	34	33	36	38	40	40	38	39	40	41	44	44	45	45	41	44	44	34	38	32	29	28	38
22	29	29	29	29	26	27	28	28	28	29	31	31	33	33	33	34	34	35	33	32	32	31	32	33	31
23	35	35	35	36	34	26	25	20	26	35	38	39	46	46	48	53	39	53	49	41	44	43	43	44	39
24	45	39	34	31	27	25	23	24	34	39	39	42	44	43	44	45	45	43	44	18	14	15	11	7	32
25	7	2	2	2	5	25	35	34	35	35	35	36	36	36	36	36	36	36	27	26	26	35	33	33	27
26	35	34	35	34	31	28	26	31	33	35	35	36	38	39	40	40	40	38	38	37	36	36	36	36	35
27	37	37	37	35	32	31	33	23	37	38	40	40	41	42	43	44	44	44	41	35	33	31	32	31	37
28	34	31	27	30	29	28	24	30	35	40	45	48	45	45	44	35	41	29	23	18	19	17	12	12	31
MEAN	28	29	29	29	29	29	28	27	30	33	36	38	40	41	43	43	41	40	37	32	30	29	27	27	33.2

PERCENTAGE OF DATA VALID - 72.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 28.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION											
STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE															MONTH - MAR 78											
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
DAY	1	17	36	30	30	27	27	30	26	28	38	39	42	44	45	49	50	42	39	44	45	41	40	39	39	37
2	40	40	39	38	37	36	29	29	36	38	39	40	46	46	46	35	34	32	30	28	27	27	27	25	34	
3	26	27	27	28	32	32	31	30	30	31	32	34	31	32	35	34	32	31	32	32	27	24	22	25	30	
4	30	30	32	30	29	29	28	23	23	23	23	23	27	27	28	28	27	26	26	26	25	25	25	27	27	
5	26	25	24	24	25	26	26	26	27	28	28	30	35	34	34	35	35	35	34	35	35	37	38	36	31	
6	38	39	36	37	38	36	32	34	36	37	39	41	42	41	39	38	38	35	35	36	36	36	35	35	37	
7	35	35	34	33	33	32	31	30	30	30	30	30	34	37	36	36	36	36	31	31	30	30	30	29	32	
8	29	28	27	25	26	26	25	26	26	27	28	28	32	32	31	32	30	27	17	16	16	15	17	19	25	
9	15	18	19	22	22	22	21	23	24	28	27	30	36	36	38	36	30	29	37	41	31	43	40	37	29	
10	32	26	21	17	14	13	11	15	28	36	47	49	45	45	58	57	56	56	48	43	39	40	37	31	36	
11	31	31	27	25	25	30	25	22	25	41	49	44	46	47	49	56	48	54	54	49	46	46	52	47	41	
12	47	49	47	46	42	37	31	35	38	48	49	46	46	45	44	43	41	40	29	23	22	26	24	24	38	
13	27	26	23	19	16	14	12	14	22	25	24	23	26	28	38	44	40	47	45	44	46	44	42	42	30	
14	48	49	47	42	38	36	37	38	40	38	33	30	30	29	23	23	19	18	23	24	27	31	31	28	33	
15	31	29	29	29	27	26	26	26	26	26	26	26	26	27	28	28	28	26	26	24	24	24	24	25	26	
16	22	22	22	21	19	20	19	19	19	20	21	22	28	34	32	32	32	31	28	24	23	18	14	18	24	
17	20	20	20	22	26	23	24	18	23	23	23	34	35	39	32	37	42	37	40	40	43	39	38	31	30	
18	31	32	32	31	31	32	32	32	32	32	32	31	34	33	33	32	32	32	31	30	30	29	29	30	29	
19	28	25	25	23	24	23	25	27	29	32	32	31	34	33	33	32	32	32	31	30	30	29	29	30	29	
20	30	30	28	26	24	23	22	23	27	29	30	30	35	35	33	34	35	34	33	32	35	32	33	32	30	
21	33	30	31	24	29	25	21	16	11	18	12	15	15	15	17	20	27	31	31	34	35	37	37	37	25	
22	36	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
23																										
24																										
25																										
26																										
27																										
28																										
29	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
30	24	23	23	23	23	23	23	23	23	24	26	26	27	30	34	34	35	42	40	29	38	52	50	48	45	
31	46	44	38	36	42	44	39	45	47	47	44	49	51	52	54	50	45	40	39	30	36	45	46	46	44	
MEAN	31	31	30	28	28	28	26	26	28	31	32	33	35	35	36	36	35	35	33	33	32	32	32	31	31.6	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	46	45	43	36	27	18	19	22	41	58	53	61	55	49	41	38	36	36	38	38	36	38	39	39	40
2	42	41	43	44	43	44	44	42	44	44	45	47	48	48	49	49	49	48	41	32	24	17	34	42	42
3	45	44	44	43	42	42	40	38	36	38	40	41	41	39	38	37	38	37	38	38	36	30	27	39	
4	25	21	23	25	27	23	16	18	14	11	11	9	20	27	27	22	18	15	14	16	17	13	11	14	18
5	19	30	38	40	41	37	36	40	38	40	40	40	41	41	39	40	37	36	34	31	26	28	21	17	35
6	21	34	32	29	27	25	26	36	38	38	40	43	45	47	48	47	45	45	44	43	38	40	38	36	38
7	35	34	32	30	26	23	25	26	28	29	29	29	36	40	42	40	37	35	36	36	36	35	36	34	33
8	29	29	31	30	31	28	28	27	29	28	29	29	33	34	36	36	38	38	39	39	41	42	43	42	34
9	40	39	39	40	41	40	40	40	42	43	46	46	49	51	53	53	55	54	47	34	38	34	35	37	43
10	40	37	31	39	44	43	45	44	42	44	45	44	41	40	42	41	44	43	41	39	41	45	46	44	42
11	39	34	30	28	26	22	21	16	10	5	8	7	10	10	17	21	29	36	36	30	19	26	34	34	23
12	27	26	30	32	37	36	35	33	35	33	35	36	39	38	40	37	26	19	39	38	41	32	20	12	32
13	11	10	7	16	16	16	22	26	35	38	42	36	38	38	38	35	35	35	37	36	36	36	36	30	30
14	39	38	39	38	38	40	40	38	40	40	42	42	43	43	44	42	43	41	43	41	40	40	40	36	40
15	32	32	31	34	38	35	36	38	39	38	38	37	37	37	36	36	35	35	34	31	32	32	32	31	35
16	30	29	29	28	26	26	29	33	38	41	41	42	44	45	46	44	41	35	32	24	17	14	25	38	33
17	34	35	36	36	35	37	39	41	43	45	48	49	48	48	51	51	53	56	47	35	30	21	25	35	41
18	27	22	26	30	24	19	19	28	29	39	43	49	49	49	49	49	49	49	49	49	49	49	49	49	49
19	44	44	43	42	40	40	40	39	37	37	37	41	39	39	40	42	42	41	40	40	40	39	38	39	40
20	40	40	40	39	39	38	36	35	35	35	36	38	38	39	41	45	46	46	44	42	40	40	39	40	40
21	40	40	40	40	41	39	39	39	41	41	45	46	48	50	52	52	52	52	51	48	44	43	41	40	44
22	39	37	36	36	36	34	34	38	41	44	48	50	52	50	50	51	52	53	47	36	24	14	14	15	39
23	25	31	32	31	26	25	26	34	40	45	50	52	55	56	55	55	55	54	51	44	29	20	16	20	39
24	39	39	41	41	41	40	38	40	44	47	51	53	55	58	61	66	70	71	74	77	61	40	26	21	17
25	35	35	37	36	34	37	39	41	46	53	55	58	61	66	70	71	74	77	61	40	26	21	17	14	46
26	17	21	29	29	30	34	36	38	40	44	49	53	59	58	57	57	53	49	48	31	21	24	32	37	39
27	38	39	40	42	42	42	42	42	49	51	52	52	53	54	52	52	51	49	47	44	45	46	44	41	46
28	35	30	24	16	13	13	28	35	47	51	52	53	52	49	49	47	45	46	45	42	40	38	36	39	39
29	38	39	39	38	37	37	37	38	39	40	41	42	45	45	46	46	45	43	42	40	38	35	36	37	40
MEAN	33	34	34	34	33	32	33	35	37	39	41	43	44	44	45	45	44	43	42	37	33	31	32	32	37.5

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION													
STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE														MONTH - MAY 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	40	39	38	37	37	37	34	31	31	34	34	35	36	36	36	36	37	38	37	37	37	35	27	14	35		
2	31	37	36	35	35	34	34	36	38	39	42	45	48	50	49	49	48	45	43	43	43	43	42	42	41		
3	41	40	36	24	19	41	43	46	48	50	52	54	56	53	51	50	48	50	37	30	29	34	35	33	42		
4	37	30	32	23	20	33	39	43	42	43	43	44	45	45	46	48	47	44	40	41	42	42	42	44	40		
5	45	45	45	42	40	38	34	36	42	42	44	50	51	50	49	49	47	43	37	37	36	34	32	31	42		
6	30	30	30	32	32	29	27	27	26	27	27	28	29	27	19	16	12	9	13	7	4	34	39	24	44		
7	39	35	29	29	29	34	42	43	45	56	60	62	69	70	68	68	59	57	46	23	14	9	20	53	44		
8	47	48	51	52	52	48	43	44	46	53	64	66	65	65	63	57	55	52	51	50	48	45	44	53	53		
9	40	31	31	32	33	30	24	19	26	36	48	57	68	68	69	59	55	51	45	34	32	32	34	37	41		
10	29	32	36	35	34	34	32	39	40	40	37	36	33	36	38	41	43	43	44	40	36	26	21	10	35		
11	6	3	2	2	2	2	7	8	24	41	49	49	52	55	62	67	68	63	59	57	54	54	48	31	36		
12	37	25	23	14	31	40	27	39	43	45	42	43	49	50	55	53	49	43	37	54	50	49	50	53	42		
13	64	69	68	63	63	60	54	54	53	54	57	60	63	61	59	59	57	56	55	55	56	55	54	54	58		
14	56	57	59	60	61	59	57	55	54	54	54	53	52	52	54	56	56	58	58	59	59	60	59	61	57		
15	65	62	60	58	56	53	49	43	39	40	41	43	49	49	50	49	49	49	50	49	49	47	46	44	50		
16	42	39	38	36	36	34	35	37	40	44	46	41	43	49	51	52	50	54	56	41	29	59	57	54	44		
17	50	46	41	38	37	35	33	27	29	29	30	35	39	37	41	44	43	41	39	34	29	16	6	4	33		
18	18	26	23	14	9	7	17	20	25	34	39	34	50	52	62	50	43	46	48	48	37	17	6	3	30		
19	3	2	1	3	3	7	7	13	23	36	50	72	85	82	108	141	146	117	109	84	35	14	4	1	48		
20	0	0	0	0	0	1	5	22	34	41	56	87	114	111	111	102	97	81	71	63	63	66	57	53	51		
21	52	62	64	31	25	29	35	38	41	42	43	44	46	46	46	48	47	46	42	38	37	38	38	36	42		
22	27	25	19	11	9	6	26	40	41	42	44	47	49	55	61	68	74	73	70	57	39	23	17	20	39		
23	27	31	34	22	15	8	14	36	49	52	58	63	69	71	85	85	84	91	72	53	32	16	9	6	45		
24	8	8	14	18	16	14	22	59	81	74	90	91	109	117	114	109	105	97	78	50	29	21	21	27	57		
25	25	15	13	7	13	46	79	88	88	88	90	88	89	89	91	90	85	81	81	83	81	79	69	54	66		
26	69	68	60	40	49	67	75	77	70	66	69	77	88	103	131	163	171	156	132	96	77	49	29	22	84		
27	17	11	4	3	4	8	37	78	117	118	122	126	135	135	135	135	129	123	126	78	53	31	19	14	73		
28	12	10	7	4	3	5	50	63	64	72	81	82	91	94	94	89	81	80	77	51	30	19	12	9	49		
29	6	6	9	11	7	6	39	56	61	63	69	82	91	95	101	99	92	88	72	47	29	16	12	18	49		
30	11	7	5	8	11	11	29	71	63	70	81	88	97	96	91	100	108	109	87	54	28	18	11	16	53		
31	25	62	46	40	34	47	40	36	55	66	93	108	109	100	126	96	58	53	49	43	44	44	41	32	60		
MEAN	32	32	31	27	26	29	35	43	48	51	56	60	67	68	72	72	69	66	60	50	41	35	32	31	47		

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

HOUR DAY	STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE																								MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	29	27	26	23	21	19	18	17	17	14	16	23	31	37	42	44	44	41	40	37	28	29	28	25	28
2	29	26	12	8	2	3	11	22	23	33	43	69	80	109	54	52	49	44	40	34	25	16	8	23	34
3	35	31	29	36	31	29	26	24	26	29	29	42	53	56	54	53	52	56	51	47	44	39	35	32	39
4	31	29	30	30	24	21	34	38	39	34	40	44	47	54	58	66	63	58	50	39	28	22	32	32	29
5	20	17	19	18	16	19	35	40	38	36	35	35	33	35	36	36	36	39	39	38	22	16	13	9	28
6	14	13	8	6	5	10	15	20	36	42	43	48	51	52	57	60	62	62	57	41	22	14	9	8	31
7	8	6	7	6	2	2	14	24	31	39	40	44	50	38	39	45	49	42	29	26	28	37	21	19	27
8	14	11	17	18	13	17	18	20	23	31	45	61	71	68	63	58	50	43	33	27	21	16	15	16	32
9	15	13	11	15	29	31	30	33	38	40	***	44	46	56	56	51	51	49	47	43	37	33	29	19	35
10	12	6	3	2	1	1	9	24	31	34	34	42	39	42	45	51	52	50	50	39	26	15	7	5	25
11	4	3	4	3	1	2	18	40	59	70	89	96	103	109	107	105	109	111	108	105	83	57	49	24	61
12	19	13	8	6	4	2	20	40	62	78	88	98	104	112	114	112	120	78	53	43	51	58	50	42	57
13	21	19	18	15	12	11	11	13	14	16	18	18	24	26	31	36	36	35	36	38	34	23	26	27	23
14	22	24	27	26	29	29	30	34	36	37	41	43	47	47	48	47	47	47	42	39	34	32	33	26	36
15	29	31	32	32	32	35	35	34	35	37	39	41	44	43	43	76	78	48	46	34	23	16	17	19	37
16	14	12	9	8	7	6	18	12	26	39	62	74	89	92	89	81	77	75	68	66	66	54	46	43	47
17	42	43	48	51	57	61	72	76	71	68	72	78	86	86	86	88	89	97	89	82	67	63	69	69	71
18	69	65	56	60	57	49	41	39	44	60	78	88	100	96	92	84	62	58	56	55	59	40	45	51	63
19	49	44	39	37	36	23	29	26	32	34	34	45	48	46	81	103	98	87	72	39	26	22	25	21	46
20	16	16	14	13	10	9	31	40	43	48	52	58	79	86	95	106	96	83	72	45	31	18	12	11	45
21	11	10	12	15	15	13	11	49	68	58	54	****	49	54	64	73	78	79	72	55	40	32	31	30	42
22	30	28	30	26	23	21	22	24	28	29	32	36	42	48	50	46	45	44	34	28	11	4	2	2	29
23	1	16	25	26	23	20	21	21	20	19	18	****	19	21	21	22	23	24	25	25	14	9	9	12	19
24	13	12	14	16	14	18	21	24	27	31	35	36	45	51	54	47	44	43	40	29	22	16	11	7	28
25	11	12	9	5	5	5	9	30	41	47	65	77	82	81	81	78	74	75	66	69	47	40	34	32	45
26	32	27	25	21	16	11	24	41	36	48	61	61	65	64	102	95	100	81	56	57	57	54	49	46	44
27	6	7	9	1	3	1	18	30	39	55	71	82	94	94	94	100	81	56	57	54	49	46	44	44	38
28	42	39	36	37	32	32	30	30	29	29	35	37	37	36	37	36	36	36	34	30	22	13	9	8	31
29	11	14	13	21	25	35	35	38	41	44	45	46	48	47	47	47	47	47	47	46	42	39	38	31	37
30	30	25	25	22	20	20	24	29	32	34	35	37	35	36	37	38	38	37	36	27	20	16	14	13	28
MEAN	23	21	21	20	19	19	24	31	36	40	47	53	58	61	62	64	62	58	52	45	36	30	26	24	38.8

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	STATION - C NO 58034										1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE														MONTH - JUL 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	8	7	13	10	11	10	13	22	28	29	29	27	28	32	36	37	38	39	41	43	30	20	17	12	24									
2	14	10	8	10	5	9	17	26	33	35	35	37	37	37	37	38	38	40	40	38	28	21	17	15	26									
3	29	38	38	38	37	33	30	30	39	55	71	70	70	72	77	63	56	52	52	53	51	50	48	34	49									
4	21	42	32	31	38	34	35	41	45	45	45	49	54	57	62	65	60	54	53	36	24	16	17	16	41									
5	15	17	19	9	6	5	14	46	59	60	60	75	83	97	93	81	78	80	72	53	35	27	26	18	47									
6	12	9	4	2	0	0	9	27	52	48	57	65	82	105	107	106	106	94	87	83	73	63	61	48	54									
7	54	31	21	15	4	3	23	69	77	77	88	93	***	103	109	108	108	105	104	108	89	48	30	27	65									
8	26	24	20	8	6	14	43	51	52	51	63	72	84	81	75	75	79	43	39	32	28	20	13	10	42									
9	11	21	32	30	29	28	26	26	28	27	27	31	44	48	48	54	57	52	48	50	43	30	18	12	34									
10	6	8	22	32	27	22	31	24	24	24	27	29	30	28	29	29	29	29	28	25	21	20	20	17	24									
11	17	16	14	12	13	13	12	16	18	20	22	26	28	29	31	31	32	31	31	31	28	26	20	15	22									
12	11	7	5	3	3	2	4	19	24	28	33	***	53	57	70	62	42	45	50	46	27	21	17	10	28									
13	8	7	6	4	3	3	14	29	48	54	66	71	77	85	94	94	96	93	81	76	61	47	40	28	49									
14	25	21	18	8	22	15	20	42	44	46	49	50	52	63	69	66	66	72	70	50	32	15	14	12	40									
15	7	8	7	7	6	7	14	30	47	53	63	68	79	92	103	107	107	104	93	82	60	47	35	27	52									
16	23	22	22	20	20	21	24	25	27	28	32	35	37	42	42	43	37	29	25	24	23	22	18	17	27									
17	16	16	16	15	14	12	13	14	18	26	27	29	34	39	42	52	64	77	74	50	31	19	7	7	30									
18	11	11	11	8	7	4	9	22	34	46	56	63	65	67	68	92	105	110	89	79	55	37	28	25	46									
19	18	16	9	12	9	7	7	20	21	44	64	90	104	110	127	129	125	118	112	101	89	64	38	28	61									
20	23	15	14	12	41	19	22	38	61	96	112	121	138	146	144	144	140	142	130	111	96	63	52	55	81									
21	47	34	22	13	8	11	13	39	53	47	40	46	65	78	79	77	75	77	82	61	45	32	11	7	44									
22	7	7	3	4	10	10	24	42	43	50	50	60	66	85	104	111	74	71	60	49	41	44	21	19	44									
23	21	15	57	65	60	50	44	44	44	49	50	54	53	41	31	29	26	26	26	28	25	14	9	8	36									
24	8	6	6	3	0	0	8	19	26	28	29	31	32	32	32	30	28	25	14	6	2	1	1	1	17									
25	1	1	1	1	2	1	6	23	32	37	***	49	59	66	74	82	93	86	73	66	50	19	8	2	36									
26	4	22	6	2	5	13	16	16	27	36	51	64	74	78	83	90	99	104	99	87	77	56	46	45	50									
27	45	47	48	47	44	38	36	42	39	37	45	60	76	84	83	82	74	62	42	23	17	19	23	20	47									
28	17	9	11	10	6	6	13	13	16	19	22	23	26	27	30	30	45	47	42	41	30	20	12	7	22									
29	3	1	0	0	3	4	1	3	11	23	29	28	35	44	42	38	29	30	40	34	31	32	32	25	22									
30	22	21	18	18	13	10	10	10	10	8	10	11	20	20	24	25	25	25	22	16	2	1	0	0	14									
31	0	0	0	0	0	1	17	17	17	21	24	29	30	29	26	31	39	37	35	30	13	4	0	2	17									
MEAN	17	16	16	14	14	13	18	29	35	40	46	52	58	63	67	68	67	65	60	52	41	30	23	18	38.4									

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE														MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	2	0	1	1	1	13	24	41	59	66	81	88	93	89	89	86	77	68	63	47	32	18	43
2	11	7	3	1	1	1	3	34	48	66	82	87	97	106	109	113	112	106	107	108	101	89	71	67	64
3	67	65	63	55	41	41	37	35	37	43	42	41	42	40	40	42	51	49	36	19	9	21	27	27	40
4	27	29	27	26	25	21	20	20	20	24	25	27	***	37	46	53	57	63	48	27	15	7	3	5	28
5	5	4	2	2	1	1	3	13	32	32	38	53	61	64	66	68	68	63	55	32	18	10	5	3	29
6	3	12	16	18	11	6	12	26	56	75	77	79	87	93	101	107	108	104	76	45	37	21	16	17	50
7	15	18	23	34	25	21	23	45	48	50	56	75	87	93	87	85	71	54	40	28	26	24	18	17	44
8	13	13	15	19	16	17	18	34	45	44	42	40	53	68	75	84	90	99	103	88	72	68	64	61	52
9	62	65	66	61	51	51	50	54	50	44	50	46	46	38	37	39	34	30	32	26	20	20	12	10	41
10	9	10	7	3	6	7	9	14	16	18	***	26	29	28	30	28	27	27	19	9	4	1	1	1	14
11	1	2	1	1	1	1	4	13	23	30	31	34	36	39	45	49	53	49	34	18	6	4	6	8	20
12	11	8	13	9	12	23	27	38	43	52	56	68	78	80	83	89	84	74	68	45	30	19	10	7	43
13	10	12	8	5	3	4	12	35	45	55	77	88	104	122	118	115	112	119	99	64	49	39	30	21	56
14	20	12	5	5	3	1	2	13	40	61	64	72	83	86	82	80	79	79	60	39	24	15	12	7	39
15	7	6	5	5	3	2	4	39	56	74	92	98	108	95	93	99	106	105	80	52	25	39	34	21	52
16	7	17	19	23	28	29	34	41	43	45	55	57	67	72	80	83	84	84	81	71	60	50	46	45	51
17	48	36	31	28	23	21	18	19	18	16	18	19	19	19	21	22	22	22	20	20	20	16	14	22	20
18	9	3	2	1	1	0	4	17	23	28	29	32	31	32	37	46	46	45	38	20	14	6	3	2	20
19	3	3	17	20	14	10	12	21	36	50	64	75	85	96	93	103	105	62	44	41	35	26	24	23	44
20	22	21	19	17	14	12	11	11	14	16	18	21	24	27	32	32	33	22	11	6	4	10	9	18	18
21	10	6	3	3	3	2	3	10	22	26	28	32	36	36	35	36	37	38	32	15	5	3	2	2	18
22	1	1	1	2	1	1	2	14	33	49	51	56	65	74	86	96	103	97	80	48	27	20	14	9	39
23	12	12	12	14	15	19	23	39	62	62	64	69	78	83	83	91	94	75	76	87	73	44	38	30	52
24	38	39	22	14	21	9	10	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
25	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
26	1	1	3	4	7	13	18	23	31	32	33	35	38	38	49	52	54	60	64	49	20	8	4	14	27
27	13	13	7	4	3	3	5	21	23	26	29	31	35	35	33	31	35	37	35	32	29	28	26	25	23
28	26	24	23	22	22	19	20	24	31	39	39	43	56	57	59	67	65	67	66	59	57	45	38	35	42
29	34	31	30	28	26	26	25	21	22	25	28	33	38	43	53	42	34	32	27	12	6	5	3	5	26
30	4	3	3	4	3	2	1	6	18	22	28	36	41	45	52	48	48	45	28	13	7	10	7	17	20
31	22	21	18	20	19	19	17	14	15	16	18	21	23	26	31	34	36	35	23	10	5	4	4	4	19
MEAN	17	16	16	15	13	13	14	24	34	40	46	50	58	61	64	66	66	63	54	39	29	23	19	18	35.6

PERCENTAGE OF DATA VALID - 95.4

PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	4	4	4	3	4	14	17	23	32	35	43	44	53	59	64	69	55	24	14	8	6	5	25
2	4	2	2	2	1	1	1	8	25	46	47	56	57	61	69	74	79	80	71	48	27	16	8	5	33
3	14	12	15	19	19	26	33	37	45	55	60	60	63	61	61	74	55	40	29	17	14	16	22	21	36
4	17	8	5	8	10	11	9	11	13	17	21	28	34	35	51	59	60	57	44	36	27	14	10	9	25
5	11	9	9	11	9	2	2	7	23	28	29	31	35	36	41	42	44	44	39	21	7	4	2	7	21
6	3	1	1	1	1	0	16	40	54	65	72	92	116	69	59	58	60	60	42	27	28	33	39	61	42
7	57	54	47	41	35	31	23	15	14	16	18	20	20	22	24	24	24	23	19	15	16	16	12	10	25
8	5	5	5	4	4	18	23	22	21	22	24	27	30	31	31	34	33	26	19	17	16	15	12	13	19
9	20	22	20	20	19	20	21	27	27	31	30	31	30	31	31	34	33	32	33	20	14	9	10	23	22
10	19	18	17	18	22	24	22	22	22	22	23	26	28	29	33	34	31	25	18	25	15	9	9	7	22
11	3	3	2	0	4	2	3	4	10	21	42	47	68	93	106	84	62	48	34	45	43	49	38	35	35
12	30	26	27	19	18	20	20	19	22	26	26	26	26	25	25	25	23	12	11	8	19	14	20	21	21
13	20	19	19	20	21	22	24	26	***	***	25	30	30	32	32	33	34	32	30	16	34	33	31	30	27
14	30	31	33	29	26	23	25	27	26	26	25	30	31	39	41	41	36	32	26	24	21	18	16	12	28
15	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
16	33	36	36	34	31	17	9	16	22	23	27	30	30	30	31	32	32	24	25	14	18	20	19	11	25
17	5	4	3	1	3	4	12	15	16	19	19	17	16	16	16	16	16	17	20	20	18	20	22	14	24
18	22	21	20	22	22	22	19	19	19	20	24	24	22	21	21	25	26	28	29	32	34	32	30	28	24
19	30	32	36	36	28	23	17	16	21	24	31	36	38	41	46	50	49	46	22	13	6	2	2	2	27
20	2	2	2	8	21	13	9	10	20	27	32	36	46	47	44	43	46	43	28	17	14	29	19	7	24
21	1	2	1	0	0	0	0	0	11	27	34	40	39	29	22	20	23	21	18	22	27	25	20	19	17
22	17	14	13	13	12	13	10	9	11	13	17	19	21	23	24	24	26	22	15	6	3	2	1	1	14
23	1	1	1	2	2	2	2	5	20	20	24	30	35	36	36	36	34	29	13	6	2	0	0	0	14
24	0	0	0	0	0	0	0	2	17	26	35	44	51	63	76	84	78	68	53	29	25	20	10	6	29
25	27	38	37	36	31	26	22	20	22	26	28	27	***	***	22	23	23	26	14	7	9	6	23	24	24
26	15	9	8	7	7	7	14	8	21	27	29	34	34	35	42	42	38	36	27	34	39	38	31	33	25
27	24	18	7	5	5	11	14	20	25	30	44	58	62	69	75	77	81	77	71	46	40	37	29	36	40
28	28	22	20	23	21	19	20	20	22	25	26	27	26	27	28	28	27	24	12	7	16	21	13	10	21
29	6	6	4	4	5	2	0	2	11	17	23	23	25	33	38	39	30	24	19	22	23	14	17	10	17
30	3	2	0	0	0	0	0	5	29	38	43	49	54	61	63	64	62	62	60	58	61	69	70	67	38
MEAN	18	14	14	13	13	12	13	15	22	27	31	36	40	41	43	44	42	39	30	23	22	21	20	19	25

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	46	48	45	44	46	40	36	28	29	42	45	49	46	42	45	39	35	24	20	4	14	19	13	7	34
2	7	13	10	24	31	11	16	13	28	33	37	40	43	47	50	50	47	39	11	3	0	0	0	0	23
3	0	0	0	0	0	13	17	20	18	33	44	47	49	48	52	55	53	52	50	52	48	48	39	43	33
4	45	45	20	38	20	26	34	42	41	46	26	40	26	21	31	35	37	29	16	8	0	0	0	0	26
5	0	0	0	0	0	0	0	0	9	12	18	23	28	28	34	43	44	36	38	51	55	51	55	57	24
6	31	20	41	38	23	19	37	24	24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	22	21	19	24	20	18	23	21	25	33	34	40	38	37	42	44	43	36	27	24	23	24	21	21	27.9

PERCENTAGE OF DATA VALID - 17.3 PERCENTAGE OF DATA INVALID - 52.4 PERCENTAGE OF DATA UNAVAILABLE - 30.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9	24	23	23	24	24	24	23	21	21	22	24	26	27	27	27	26	25	26	24	22	21	22	22	21	24
10	30	25	25	25	27	24	25	27	26	26	26	26	25	26	25	25	24	23	16	20	21	23	18	12	24
11	17	14	13	16	16	14	13	15	12	13	16	14	17	17	17	14	12	16	12	8	2	0	0	0	12
12	3	1	2	3	0	0	0	1	3	6	13	8	7	19	24	18	9	8	19	17	14	15	9	8	9
13	8	7	4	2	9	15	17	16	17	15	14	8	8	7	8	16	13	14	11	14	17	18	18	12	12
14	20	19	19	19	20	21	22	24	26	26	24	26	20	20	20	25	16	13	14	16	21	19	17	16	14
15	9	9	11	10	11	12	12	8	8	8	4	9	11	11	11	12	12	12	9	6	1	0	0	0	8
16	4	5	7	5	2	2	1	2	7	10	14	12	11	13	6	2	2	3	11	10	10	7	6	6	6
17	7	5	1	0	2	11	22	25	25	27	26	26	26	26	26	25	25	26	26	25	24	20	19	20	19
18	23	23	20	23	23	23	23	24	24	25	32	24	***	77	26	28	38	29	27	29	29	28	28	27	28
19	27	25	25	25	25	25	25	25	25	25	26	26	26	28	27	27	25	24	21	24	24	24	23	22	25
20	22	24	26	26	28	25	24	23	24	23	20	19	21	16	15	16	19	15	11	11	8	5	3	1	18
21	0	0	0	0	0	4	5	16	26	26	25	26	30	29	29	31	30	29	25	26	22	26	28	28	19
22	27	21	18	18	20	16	12	2	8	10	6	6	6	19	18	19	13	10	11	4	6	5	15	21	13
23	26	23	24	23	22	21	21	18	16	18	19	25	29	30	30	30	26	21	16	13	10	9	8	6	20
24	7	3	2	4	16	11	12	16	19	19	20	19	20	20	20	18	16	17	16	15	14	14	16	16	14
25	15	16	20	20	18	18	21	21	23	24	24	24	27	25	21	20	22	24	25	25	25	26	26	28	22
26	28	28	28	28	28	28	26	21	20	22	26	25	27	28	28	26	19	21	21	20	19	18	18	21	24
27	24	23	22	23	24	25	27	25	25	27	30	33	30	30	30	30	28	27	28	27	27	26	25	23	26
28	25	25	25	24	23	26	26	23	18	24	29	29	30	30	30	30	28	27	23	20	17	20	22	22	25
29	24	22	25	26	26	25	25	25	24	25	25	25	24	27	27	26	23	21	21	22	21	21	22	21	24
30	21	21	21	22	20	19	19	19	21	22	23	23	23	21	18	13	10	12	14	14	13	9	7	5	17
31	2	3	1	1	1	3	1	1	1	6	7	9	7	6	5	4	2	0	0	0	0	0	6	7	3
MEAN	17	16	16	16	17	17	17	17	18	19	20	20	21	24	22	21	19	18	17	17	16	16	16	16	18.1

PERCENTAGE OF DATA VALID - 75.4 PERCENTAGE OF DATA INVALID - 14.2 PERCENTAGE OF DATA UNAVAILABLE - 10.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB	19	33.2	39	53
MAR	23	31.6	44	58
APR	28	37.5	46	77
MAY	31	47.2	84	171
JUN	30	38.8	71	120
JUL	31	38.4	81	146
AUG	29	35.6	64	122
SEP	29	25.4	42	116
OCT	5	27.9	34	57
NOV		DATA UNAVAILABLE		
DEC	23	18.1	28	77
YEAR	248	34.4	84	171

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - C NO 58034 1.6M WEST HWY28/5TH LINE RD. WESLEYVILLE

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	9	45	99	328	3	0	0	0	484
MAR	0	47	236	265	13	0	0	0	561
APR	9	48	93	479	66	0	0	0	695
MAY	61	50	65	298	179	52	34	3	742
JUN	62	110	121	250	117	40	17	0	717
JUL	121	114	140	167	120	41	38	0	741
AUG	151	114	107	158	107	48	25	0	710
SEP	152	147	187	146	63	5	2	0	702
OCT	28	20	16	55	10	0	0	0	129
NOV	DATA UNAVAILABLE								
DEC	125	155	276	4	1	0	0	0	561
YEAR	718	850	1340	2150	679	186	116	3	6042

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										ARITH MEAN
	MIN	10	30	50	70	90	95	98	99	MAX	
82.8	0	8.0	22.0	30.9	40.2	61.2	80.1	99.5	108.6	171	34.4

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - NE NO 77016															MONTH - JAN 78										
ASH ST WATER TANK. SUDBURY																									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
HOUR																									
DAY																									
1	3	5	5	6	8	10	12	12	12	13	12	12	11	11	9	8	9	9	9	10	10	10	11	10	
2	14	15	15	12	13	15	8	5	3	1	3	5	9	9	10	8	6	5	6	3	3	4	7	3	8
3	4	7	9	9	10	9	10	10	8	8	***	12	12	11	11	10	3	1	2	4	4	5	4	1	7
4	0	0	0	1	5	6	8	5	6	5	5	5	8	9	6	3	2	3	7	7	9	10	9	7	5
5	10	11	12	10	11	12	9	9	10	10	11	11	9	10	8	7	7	7	8	9	8	6	5	9	10
6	8	9	10	11	12	9	9	8	6	7	8	9	10	9	9	8	5	6	8	8	9	10	11	11	9
7	11	12	13	13	13	12	13	13	12	11	11	12	11	10	8	7	7	7	7	10	8	6	6	13	8
8	7	6	6	7	8	8	7	5	5	5	3	4	6	5	6	6	8	9	11	11	11	12	13	10	
9	15	16	15	15	14	13	13	12	13	13	13	***	***	***	17	17	16	17	18	19	19	20	20	16	21
10	22	22	22	21	22	21	22	23	23	24	24	24	20	24	23	20	20	19	19	20	20	19	18	16	16
11	13	13	13	12	13	13	11	11	12	11	10	12	13	14	15	15	11	1	0	0	1	5	9	4	10
12	6	9	9	9	11	13	11	6	5	9	12	12	14	15	15	14	6	1	1	2	6	7	4	1	8
13	1	3	4	8	11	10	9	8	5	7	9	9	9	9	9	7	7	6	6	7	9	11	12	8	14
14	13	14	15	14	13	12	13	13	13	12	12	13	12	11	11	11	11	12	12	12	13	13	12	12	12
15	12	13	14	14	15	16	16	15	15	15	14	14	16	17	17	14	9	5	13	10	11	13	15	14	14
16	11	14	15	14	15	17	14	8	7	8	12	13	***	13	***	5	0	0	0	4	4	4	4	7	9
17	4	9	9	7	4	4	4	0	0	0	2	6	8	9	6	6	3	0	0	0	0	1	2	2	4
18	3	7	9	7	10	12	6	5	3	7	9	11	***	13	12	9	4	0	0	0	0	0	2	4	6
19	3	0	0	0	0	1	1	0	0	4	7	11	15	16	12	8	6	3	6	7	9	8	9	11	6
20	14	13	13	14	15	12	12	9	8	11	***	12	12	11	10	10	9	10	11	13	14	15	14	13	12
21	12	13	13	13	14	14	13	12	11	11	11	11	13	13	14	20	7	4	2	2	4	8	8	7	10
22	8	14	10	6	7	9	10	13	8	11	13	17	15	17	19	17	19	19	16	16	18	16	16	17	14
23	18	19	20	21	23	22	21	17	15	21	23	***	23	21	19	18	17	16	19	20	21	21	22	24	20
24	24	22	22	23	23	22	20	15	14	14	14	15	16	17	13	8	8	12	14	11	10	9	8	9	15
25	10	13	15	17	18	20	18	9	5	12	16	***	14	15	15	14	12	9	10	11	11	11	11	11	12
26	11	11	11	11	11	12	12	11	12	11	10	9	11	11	11	12	12	12	12	13	13	14	11	14	12
27	16	16	16	17	17	18	19	20	19	19	18	***	14	15	15	17	18	17	16	16	17	15	14	17	17
28	16	16	17	17	19	16	16	15	15	15	15	15	15	15	14	13	13	12	12	12	13	13	12	14	15
29	13	11	12	14	14	14	15	16	15	15	15	15	17	17	17	17	13	13	13	14	15	12	16	15	15
30	18	17	17	14	15	16	14	8	5	10	15	18	***	16	17	17	***	5	1	1	1	1	1	1	10
31	1	1	1	1	1	1	1	1	1	4	6	9	12	15	14	14	13	11	10	9	10	12	13	11	7
MEAN	10	11	12	12	12	13	12	10	9	10	11	12	13	13	13	12	9	8	9	9	10	10	10	10	10.8

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION										
		STATION - NE NO 77016														MONTH - FEB 78										
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	11	9	14	17	15	9	7	6	9	12	****	13	13	13	8	5	4	0	0	0	0	0	0	0	8
2	0	0	1	4	5	6	6	3	2	5	8	10	11	10	7	6	4	0	0	0	0	0	0	0	0	4
3	0	2	5	11	12	11	7	3	7	9	9	***	13	15	15	14	11	7	2	1	1	1	0	0	0	7
4	0	0	1	1	1	1	1	1	2	3	5	10	11	11	11	11	8	6	3	3	6	8	9	10	12	
5	11	9	10	9	12	14	13	13	11	12	13	14	16	15	14	14	14	11	10	9	10	11	11	10	12	
6	13	14	14	15	15	15	15	14	15	15	16	16	16	14	13	13	11	10	10	12	14	14	15	15	14	
7	14	14	15	15	15	15	14	12	10	12	13	13	13	11	10	10	10	10	11	12	12	13	11	12	12	
8	13	14	14	13	16	15	15	12	13	-	12	15	15	14	14	11	8	9	11	11	12	15	17	16	13	
9	13	14	12	17	15	18	19	17	16	18	18	13	15	15	16	15	14	12	10	14	15	15	9	3	14	
10	7	4	5	8	9	11	16	10	5	10	****	****	17	18	19	18	17	7	0	0	0	0	0	1	8	
11	1	5	11	3	8	11	15	12	12	13	15	15	15	13	14	14	13	14	12	14	15	13	17	20	12	
12	20	19	19	18	19	19	16	16	17	17	18	18	20	18	18	18	17	17	18	18	18	18	15	18	13	
13	17	17	18	16	17	14	11	11	10	14	14	***	16	16	15	15	13	8	5	10	10	9	9	13	11	
14	7	6	5	5	10	13	14	12	9	8	13	11	17	17	18	18	16	12	11	9	11	5	3	4	11	
15	2	3	2	7	8	6	7	6	3	8	12	21	22	23	25	25	21	19	20	19	14	17	14	20	16	
16	31	29	30	27	23	21	16	7	10	13	***	17	18	18	17	17	17	17	16	15	15	18	19	17	16	
17	12	11	14	23	23	20	17	14	10	13	***	17	18	18	17	17	17	17	16	15	15	18	19	17	16	
18	18	18	20	20	21	18	14	13	14	13	10	13	13	12	12	12	11	11	7	4	6	7	13	16	13	
19	17	14	16	17	19	19	15	12	13	15	17	18	19	19	20	20	11	11	4	0	0	0	0	0	12	
20	0	0	0	0	0	0	0	0	0	1	4	****	11	9	10	13	14	12	4	0	0	0	3	5	4	
21	7	8	10	11	11	11	9	10	13	13	14	14	15	14	13	12	13	8	7	6	8	15	12	13	11	
22	13	15	15	14	15	16	17	17	16	18	18	18	19	19	20	18	15	6	9	14	16	16	16	17	16	
23	18	19	18	20	19	18	20	15	11	17	18	20	19	19	23	23	25	23	24	25	24	19	20	21	20	
24	18	20	20	18	17	14	16	14	10	10	15	14	17	18	19	14	11	7	1	0	0	3	2	6	12	
25	11	12	14	13	14	15	14	14	13	14	14	14	16	16	16	15	12	7	4	2	8	7	4	4	11	
26	10	9	13	11	11	12	15	14	14	14	17	17	17	17	17	18	19	19	16	16	17	18	19	19	15	
27	19	19	20	21	22	24	18	13	10	13	18	20	***	21	20	19	19	20	18	18	21	21	17	11	18	
28	12	5	5	16	17	18	17	12	10	13	14	15	16	17	17	17	17	15	13	5	0	0	1	5	5	11
MEAN		11	11	12	13	14	14	13	11	10	12	14	16	16	16	16	15	13	11	9	9	10	10	10	10	12.3



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - NE NO 77016													MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	10	9	9	12	12	14	13	11	14	15	****	21	22	20	13	13	12	11	2	5	7	14	16	12
2	14	8	13	14	15	14	12	7	8	9	13	19	22	22	20	22	21	21	22	21	24	21	22	10	16
3	11	22	25	26	24	14	12	9	12	22	****	26	25	28	28	23	16	11	13	14	13	16	14	13	18
4	17	17	17	17	16	15	15	14	14	16	16	16	18	17	16	17	17	16	3	5	6	14	11	11	14
5	9	14	14	17	22	20	16	12	15	16	20	23	20	20	20	20	21	20	18	23	22	20	21	18	18
6	21	26	26	19	23	19	20	20	21	13	23	26	22	24	25	22	22	22	15	9	15	14	14	13	20
7	18	17	16	16	15	18	18	12	15	17	18	19	20	21	21	20	19	15	8	2	2	10	15	0	15
8	0	0	15	9	4	14	9	8	6	11	18	22	25	24	24	25	25	23	23	23	22	21	19	20	16
9	20	22	26	25	26	29	29	20	25	32	37	37	42	39	33	31	29	31	35	28	26	20	16	16	28
10	21	23	22	19	18	18	18	17	17	18	17	17	19	****	16	16	13	11	0	0	2	0	0	2	13
11	3	7	18	19	24	24	23	25	34	35	34	32	28	28	25	30	27	26	32	32	31	36	34	35	27
12	31	32	16	16	17	17	17	17	17	17	17	17	19	21	21	18	17	15	21	21	20	19	13	13	19
13	15	23	21	10	0	6	7	7	8	12	30	****	****	40	39	38	34	23	23	21	21	18	18	28	20
14	26	26	31	31	31	32	32	24	24	28	26	25	24	24	28	19	19	19	20	20	20	19	19	19	24
15	21	21	20	20	19	19	16	14	14	18	19	****	20	20	20	19	17	14	7	0	0	0	2	1	14
16	1	3	7	9	11	12	9	8	11	16	18	19	18	18	16	15	15	14	5	0	0	0	0	4	10
17	8	9	13	11	15	9	6	6	8	12	15	****	21	21	22	22	17	20	20	22	19	17	20	19	15
18	22	20	20	22	21	21	21	15	19	21	26	26	27	32	32	34	39	44	44	44	43	36	32	32	29
19	32	29	23	22	24	21	21	18	19	22	25	26	26	26	26	26	26	30	29	25	25	27	18	17	24
20	20	20	19	7	0	3	8	9	11	14	****	32	31	32	31	29	25	28	20	14	11	7	11	12	17
21	23	27	29	29	30	27	25	22	20	22	23	25	26	26	25	22	23	25	22	24	24	24	24	23	25
22	23	22	25	17	21	18	18	13	10	11	18	26	29	****	28	25	17	17	16	20	18	23	23	20	20
23	19	20	21	19	22	20	19	16	15	15	19	****	18	17	18	20	20	22	22	24	24	23	23	20	20
24	22	22	22	24	24	24	24	22	22	22	22	25	23	23	23	23	25	20	7	9	10	14	17	16	20
25	20	21	22	23	15	20	11	15	18	19	19	26	26	26	26	24	23	20	13	0	0	0	3	16	24
26	11	18	19	21	23	25	25	25	25	28	28	28	29	29	29	29	25	26	25	22	22	22	24	24	24
27	28	29	29	29	28	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	20	20	22	24	****
28	26	25	27	33	36	36	32	29	25	22	25	****	20	24	24	24	21	16	16	19	21	22	22	17	24
29	20	23	23	19	17	20	20	21	21	21	20	19	19	19	19	19	19	19	20	18	17	14	13	11	19
30	10	11	20	17	14	13	6	7	14	20	26	26	27	25	27	26	22	25	26	22	19	19	19	20	19
31	20	24	20	20	23	10	10	12	16	18	21	****	18	19	21	18	13	11	16	17	20	20	21	22	18
MEAN	17	19	20	19	19	18	17	15	17	19	22	24	24	25	24	23	21	21	18	17	17	17	17	16	19.3

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 3.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - NE NO 77016													MONTH - APR 78												
ASH ST WATER TANK. SUDBURY																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	29	29	29	30	29	23	20	21	21	19	19	17	17	18	20	23	23	25	25	14	17	22	23	23
2	24	24	24	24	24	24	24	24	24	22	22	23	23	21	21	21	21	22	20	17	17	17	17	22	22
3	24	26	26	26	26	26	24	22	20	***	27	22	21	21	19	19	19	23	24	25	27	26	25	27	24
4	27	26	24	22	24	24	23	17	15	19	19	19	18	18	17	14	14	13	15	17	17	15	16	19	
5	18	19	20	20	20	18	16	16	***	17	17	17	17	17	21	18	19	14	12	13	14	11	13	16	
6	14	19	19	18	18	23	19	16	18	23	23	24	22	21	21	19	16	11	9	11	14	32	19	24	
7	17	21	24	24	26	26	21	15	13	13	13	***	15	15	15	14	14	14	13	13	15	14	14	13	
8	16	16	17	17	17	18	20	20	22	22	23	24	22	20	19	19	19	18	20	21	15	17	16	16	
9	20	20	19	19	20	21	22	23	25	26	26	28	26	25	24	21	21	21	22	17	12	16	20	21	
10	24	26	28	26	27	27	27	22	19	17	17	***	17	18	18	16	15	18	24	24	24	23	24	24	
11	26	28	29	27	29	26	10	7	6	14	15	16	20	17	15	15	16	17	18	17	18	21	18	18	
12	16	16	16	16	17	16	15	14	16	16	16	17	24	24	22	19	14	11	9	9	11	12	1	0	
13	1	2	3	11	11	3	3	6	8	11	13	14	13	11	13	14	13	13	16	18	22	21	22	21	
14	21	23	23	24	23	22	21	21	21	21	21	19	***	21	21	21	20	20	19	20	20	19	19	18	
15	20	21	21	18	18	19	16	16	16	17	17	18	18	18	19	21	20	19	19	13	15	20	23	19	
16	26	26	21	21	23	23	24	25	25	26	26	26	26	25	24	24	24	25	24	20	16	17	18	20	
17	23	23	23	23	23	22	21	21	24	25	28	29	***	28	27	27	28	29	28	6	2	1	4	11	
18	9	11	11	10	16	18	16	16	17	24	26	21	30	30	29	26	23	19	17	18	17	18	20	19	
19	25	26	30	30	31	29	24	22	17	17	21	22	24	22	***	21	17	18	19	18	20	22	25	26	
20	27	27	27	28	26	20	17	17	16	17	17	18	18	17	17	20	19	19	19	20	20	20	19	20	
21	21	23	23	24	24	22	22	23	22	22	23	***	23	22	22	22	21	19	18	12	16	18	20	18	
22	22	23	22	19	21	19	18	18	20	24	27	29	31	29	27	27	26	28	29	14	16	19	18	18	
23	22	22	13	17	16	18	24	26	23	27	30	33	29	27	28	26	27	28	28	12	12	13	18	17	
24	19	23	25	24	21	19	19	21	23	26	24	25	24	22	***	20	20	19	19	17	17	19	20	20	
25	20	21	22	23	22	22	21	21	22	23	24	26	26	23	23	25	24	24	25	23	19	16	15	17	
26	17	21	22	22	21	18	16	18	21	25	27	30	30	***	28	27	28	28	24	13	2	3	7	13	
27	15	16	16	18	18	18	18	18	24	27	28	26	26	24	23	23	23	22	21	15	17	8	11	16	
28	16	20	23	23	16	20	17	14	19	29	31	***	31	30	28	27	25	23	22	23	23	23	22	23	
29	22	21	20	23	21	23	23	21	19	20	20	20	19	18	19	21	20	19	21	21	19	22	23	23	
30	22	23	23	23	23	23	23	25	26	26	27	28	28	28	26	27	28	27	25	24	25	26	26	25	
MEAN	20	21	21	22	22	21	20	19	19	21	22	23	23	22	22	21	21	20	20	17	17	18	18	19	
																								20.3	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION											
STATION - NE NO 77016															MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	26	24	22	21	21	21	21	21	20	20	21	21	25	***	24	24	25	26	25	24	23	23	24	24	23	
2	23	22	22	22	23	23	20	23	24	25	26	27	27	25	25	23	22	22	26	25	23	20	20	23	23	
3	26	27	27	24	21	21	24	26	26	28	28	29	30	28	***	24	23	22	23	23	19	15	17	19	24	
4	20	17	16	19	20	16	18	19	26	23	23	25	23	23	21	21	22	21	18	18	21	20	20	21	18	
5	21	22	19	19	17	17	16	16	18	19	***	20	21	21	21	20	20	19	19	14	17	15	13	10	18	
6	10	15	22	20	19	18	20	20	23	24	24	23	31	37	38	29	29	27	27	26	26	22	23	24	24	
7	20	20	19	20	21	22	24	26	26	26	28	32	34	36	35	28	31	33	27	21	12	6	9	20	24	
8	25	22	25	27	29	27	22	21	25	33	40	40	37	***	35	31	31	35	36	36	31	28	26	25	30	
9	22	22	22	20	20	22	25	26	27	29	29	30	30	31	32	30	29	29	28	25	20	21	17	18	25	
10	17	18	15	16	17	17	16	16	18	21	17	19	22	23	23	22	21	21	23	24	21	22	21	23	20	
11	24	24	20	12	9	9	15	20	24	31	39	42	48	56	63	63	58	53	46	42	39	35	31	31	35	
12	40	39	37	36	42	41	27	26	25	***	26	27	22	19	18	17	18	20	23	20	24	32	30	32	28	
13	34	35	37	32	28	26	16	17	20	23	28	33	35	35	32	28	30	31	29	30	32	31	28	28	29	
14	26	29	30	32	32	32	33	35	35	32	31	30	30	29	29	29	29	27	21	23	20	21	21	24	28	
15	28	27	26	24	24	23	22	20	21	24	25	-	23	23	24	21	21	22	22	23	25	25	14	15	23	
16	22	20	22	25	25	21	19	19	19	***	***	31	31	30	29	29	32	28	30	26	19	20	17	21	24	
17	23	21	21	23	23	20	17	21	25	25	25	23	25	24	23	19	15	20	21	14	13	13	14	3	20	
18	18	19	11	11	5	7	4	10	7	10	19	29	32	30	26	22	22	23	23	22	20	22	23	25	18	
19	26	25	12	5	6	10	9	14	16	18	24	31	46	47	32	25	26	30	26	28	31	32	32	32	24	
20	35	42	48	55	57	58	50	41	53	45	52	51	43	52	54	40	31	14	9	9	10	10	11	14	37	
21	16	14	16	16	15	15	15	17	19	22	26	27	31	27	25	24	22	21	19	21	23	20	17	18	20	
22	22	23	25	25	27	27	26	27	30	32	34	37	38	34	34	36	37	36	37	34	31	31	28	28	31	
23	25	28	30	32	28	13	15	26	39	46	54	54	56	52	54	56	56	55	53	53	52	47	32	47	42	
24	42	45	44	45	23	13	11	6	30	55	63	64	63	57	53	50	49	48	51	54	53	55	46	48	45	
25	50	47	46	45	35	23	26	34	40	44	48	50	58	45	38	35	37	37	35	41	41	43	44	44	41	
26	55	46	49	52	44	40	24	25	46	63	***	70	70	67	68	64	56	75	82	79	79	78	72	70	60	
27	64	65	59	60	54	53	60	70	80	78	82	89	85	76	74	86	95	88	77	74	73	71	69	65	73	
28	68	88	90	85	97	95	82	78	75	76	75	76	79	86	92	101	106	79	97	104	101	91	89	90	88	
29	83	70	46	47	36	43	53	55	56	63	68	70	73	***	80	81	75	72	70	64	46	22	28	47	59	
30	65	64	31	54	27	31	43	36	50	69	65	66	70	70	65	58	60	62	59	44	38	35	19	38	51	
31	38	43	37	41	44	37	31	32	27	27	27	29	28	***	22	15	7	6	8	8	8	9	9	10	10	23
MEAN	33	33	31	31	29	27	26	27	31	36	37	40	41	39	39	37	37	36	35	34	32	30	28	30	33.2	

PERCENTAGE OF DATA VALID - 98.5      PERCENTAGE OF DATA INVALID - 1.3      PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - NE NO 77016															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	16	15	15	13	16	13	11	11	11	10	14	11	12	12	14	15	15	16	18	22	20	17	22	15
2	25	23	21	20	17	16	14	17	17	15	16	16	16	17	17	17	15	11	12	12	13	18	17	12	16
3	14	12	11	8	7	12	14	16	20	21	19	22	27	26	27	26	26	28	28	22	24	24	22	21	20
4	24	24	23	22	21	18	15	20	22	25	28	30	32	32	33	30	25	27	31	28	26	29	29	25	26
5	23	19	15	18	18	20	21	20	21	20	22	23	25	25	24	22	23	23	20	21	19	14	23	21	
6	22	23	26	23	22	20	23	26	31	33	43	41	49	50	53	54	59	71	84	101	76	73	75	74	48
7	70	59	54	49	45	38	30	36	39	45	48	53	56	***	59	53	42	46	28	21	18	10	8	7	40
8	8	8	10	10	12	11	13	15	18	21	18	21	21	21	23	25	26	23	26	22	6	4	7	20	16
9	19	19	14	13	15	16	16	16	14	10	9	***	12	12	12	14	14	14	16	16	14	4	4	3	13
10	4	0	0	0	0	9	14	19	23	25	27	27	30	32	37	43	51	57	46	45	64	70	65	63	31
11	65	66	66	64	61	58	53	53	53	58	59	59	62	64	65	66	64	65	64	65	66	69	66	58	62
12	46	48	54	54	56	62	48	40	41	36	29	24	6	***	8	7	7	7	7	7	6	7	8	27	
13	12	12	11	13	12	13	13	15	15	17	19	20	21	18	19	17	20	16	17	17	18	18	16	15	16
14	13	15	17	15	15	12	14	18	21	20	19	19	20	20	19	20	19	18	18	19	14	5	17	17	
15	14	15	14	15	5	14	16	18	19	22	28	29	29	29	31	20	25	25	26	22	18	25	23	25	21
16	31	35	27	23	22	21	18	16	22	19	***	***	***	***	52	52	52	55	43	45	39	42	44	49	35
17	45	44	41	37	31	29	24	28	33	41	52	48	54	50	51	54	60	61	62	60	58	55	47	48	46
18	51	48	43	43	43	40	37	25	23	24	27	27	27	29	31	26	23	27	25	27	28	26	25	31	24
19	25	22	18	15	11	8	17	19	***	25	29	37	41	30	30	32	27	26	25	28	29	25	21	23	24
20	25	25	29	17	16	10	13	12	30	42	62	62	67	61	57	58	56	66	68	71	74	68	63	44	46
21	46	47	43	48	27	35	35	28	31	37	38	34	35	30	33	21	19	17	18	15	17	12	11	11	29
22	13	12	11	11	10	7	9	11	13	13	13	13	14	13	15	16	10	10	8	13	13	11	10	11	12
23	11	9	8	9	10	11	12	16	19	20	***	20	19	20	21	20	22	20	23	21	20	6	12	11	16
24	13	13	12	12	12	10	9	15	19	21	22	24	26	26	24	23	24	22	21	25	20	17	14	20	19
25	22	20	25	25	23	20	25	23	31	42	53	62	70	67	63	30	29	29	26	27	35	29	23	26	41
26	77	69	63	60	58	57	43	40	44	42	***	***	34	31	30	29	29	26	27	19	19	17	15	17	14
27	25	25	23	23	20	22	12	19	26	33	33	29	24	21	20	***	17	16	23	23	21	22	23	21	15
28	12	12	10	12	10	8	11	16	18	20	19	***	18	16	14	14	14	13	11	10	8	10	13	16	17
29	25	20	22	23	21	21	22	21	22	22	21	19	22	24	24	20	20	18	16	15	13	5	6	3	15
30	19	16	18	11	16	13	16	18	17	21	***	22	24	24	20	20	18	16	15	13	5	6	3	3	15
MEAN	27	26	25	24	22	22	21	21	25	27	29	30	31	30	31	30	30	31	30	30	28	27	26	26	26.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	0	0	0	2	3	6	9	20	23	28	22	23	26	27	31	25	17	17	18	17	12	15	2	15
2	5	3	5	8	10	13	15	18	24	25	24	24	24	24	22	23	22	22	23	17	8	7	2	1	15
3	0	5	2	7	9	8	5	13	21	34	40	39	34	30	30	25	24	25	23	19	15	11	7	0	18
4	0	17	28	38	26	28	37	41	42	47	49	46	***	***	35	38	38	37	35	40	44	39	37	35	35
5	35	42	36	42	40	37	29	39	42	46	49	53	43	40	45	46	49	49	56	58	60	61	55	55	46
6	56	61	61	63	60	59	58	50	51	56	52	54	59	59	64	64	73	89	111	94	85	81	74	57	66
7	56	60	55	50	52	55	52	55	68	62	***	75	88	72	77	80	81	84	90	99	113	118	101	107	76
8	105	89	77	68	61	56	50	33	39	34	28	11	14	9	10	12	14	14	14	14	12	8	4	2	32
9	10	8	14	9	11	15	10	17	20	18	17	19	22	19	19	21	22	20	22	25	27	30	30	25	19
10	16	12	13	10	11	10	12	11	13	13	14	12	10	10	9	9	10	10	9	10	9	9	8	7	11
11	9	9	9	9	8	8	9	12	15	15	15	17	17	17	17	17	17	15	15	16	18	10	13	13	13
12	15	16	19	17	18	13	13	13	***	19	26	27	29	26	28	29	31	36	40	34	31	32	35	41	26
13	47	48	45	49	51	49	39	39	49	46	43	41	38	35	36	36	35	32	21	22	18	20	18	16	36
14	14	11	9	12	13	10	8	10	10	***	14	16	19	21	23	20	19	17	20	20	13	15	15	19	15
15	18	19	24	25	24	21	19	26	24	27	19	21	23	23	26	28	21	19	10	9	8	9	10	10	19
16	10	11	11	11	11	9	12	13	15	16	16	18	18	18	18	18	16	18	18	13	9	10	11	11	14
17	9	8	9	6	6	7	11	15	***	25	25	24	24	24	26	28	24	28	29	25	22	19	15	15	18
18	15	19	15	10	5	4	12	15	19	20	24	26	32	37	39	44	49	54	55	53	73	72	71	69	35
19	57	52	56	60	56	59	53	52	47	44	***	50	39	42	47	44	47	47	45	48	48	54	67	80	52
20	81	37	40	39	41	37	38	26	28	36	25	24	24	22	22	19	27	20	11	11	9	9	11	10	27
21	9	11	11	10	10	8	8	10	13	***	***	15	26	35	38	29	26	29	25	22	25	20	19	20	19
22	19	17	17	13	13	11	9	10	12	14	16	21	19	14	19	11	13	15	20	21	18	14	19	14	15
23	19	30	22	10	11	12	15	15	16	15	17	15	13	15	14	14	14	14	15	8	1	1	1	1	14
24	2	2	7	7	3	3	4	7	14	19	21	24	23	21	22	18	21	24	25	19	15	17	18	15	15
25	18	14	16	21	23	18	17	24	28	37	46	51	59	63	67	53	53	56	58	63	64	56	56	59	43
26	57	58	56	50	47	46	42	43	47	51	48	44	42	39	39	41	40	29	37	26	36	38	37	35	43
27	35	33	32	30	28	22	20	17	19	17	***	17	11	13	10	12	10	8	9	8	6	8	9	8	17
28	7	7	6	4	3	5	5	8	10	12	14	14	13	13	14	17	12	13	12	12	14	14	13	11	16
29	15	18	21	22	26	29	27	24	20	22	20	21	17	14	13	12	10	8	8	8	9	8	8	8	16
30	9	9	9	9	10	7	9	11	14	15	18	20	19	18	18	21	19	18	18	12	3	10	10	14	13
31	14	10	0	0	0	0	4	7	14	18	24	26	29	26	***	***	***	29	28	26	23	23	26	26	17
MEAN	25	24	23	23	22	21	21	22	26	29	27	29	28	27	29	29	29	29	30	28	28	27	26	25	26.1

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	23	24	20	15	10	11	21	24	28	28	24	24	23	25	21	23	21	21	22	18	15	12	11	20
2	10	10	11	13	5	7	7	8	12	15	16	26	43	39	47	40	51	48	57	51	42	38	27	19	27
3	23	20	17	18	14	16	13	16	16	16	14	15	14	13	11	13	9	11	10	10	9	9	9	14	14
4	12	12	11	11	11	8	9	10	13	14	14	***	14	17	17	19	19	16	17	16	18	18	17	14	14
5	20	19	19	21	23	20	20	22	25	29	29	33	35	35	34	36	34	37	38	38	35	32	35	39	30
6	41	40	38	36	38	34	29	22	24	21	23	23	24	24	29	31	32	34	29	22	18	34	22	14	28
7	10	8	10	8	8	7	8	32	37	44	46	42	43	38	42	44	47	49	53	49	46	45	56	61	35
8	60	50	48	38	44	36	18	44	58	59	54	50	51	***	56	49	62	65	67	64	39	33	21	16	47
9	17	17	18	15	15	14	10	9	11	12	12	12	13	13	13	13	12	11	9	9	10	11	11	12	12
10	9	10	9	9	9	9	8	10	14	19	20	21	17	18	15	17	17	18	19	12	13	12	12	12	14
11	13	12	8	9	11	10	7	11	15	21	***	23	23	20	22	22	23	22	21	16	18	20	22	18	17
12	18	18	19	3	0	0	3	18	24	31	36	37	42	48	47	49	51	50	52	53	52	53	45	44	33
13	40	45	49	47	54	56	53	46	40	36	47	39	30	35	42	37	40	29	37	40	36	36	26	20	40
14	15	11	10	9	9	6	7	10	16	21	***	47	48	46	51	49	50	51	54	51	47	48	50	52	33
15	52	51	49	54	54	34	19	31	51	53	61	71	75	66	69	64	61	57	57	54	50	55	45	42	53
16	42	43	46	47	46	43	38	29	31	34	41	44	41	41	35	36	40	35	28	26	25	22	19	18	35
17	18	16	14	14	16	16	13	9	6	6	6	6	7	9	11	13	14	14	15	16	17	2	0	1	0
18	0	5	6	5	2	1	3	7	12	19	***	25	28	33	36	42	43	46	35	31	32	36	50	53	24
19	52	58	60	50	48	37	41	37	36	34	30	30	32	23	19	17	14	11	11	11	12	13	12	7	29
20	8	8	6	5	4	9	12	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
21	***	***	***	***	***	***	***	***	***	***	***	***	***	***	33	35	36	41	41	43	42	41	39	40	***
22	37	40	41	44	45	40	35	38	46	50	60	66	70	70	51	45	50	51	52	47	36	17	15	13	44
23	11	12	12	14	16	16	15	18	17	17	14	13	***	8	6	5	6	10	11	11	10	12	13	14	12
24	14	14	13	14	15	15	13	11	12	13	14	15	14	13	14	14	12	13	11	6	1	0	0	0	11
25	0	1	2	5	3	1	0	5	11	***	***	18	19	16	15	13	13	13	12	8	6	7	6	6	8
26	10	8	5	5	7	6	4	7	9	9	10	8	9	11	12	12	14	15	13	4	0	0	1	2	8
27	3	7	12	10	13	11	11	10	8	14	17	18	18	16	17	13	14	9	8	10	9	11	13	12	15
28	14	14	15	16	16	15	13	7	6	6	17	***	23	23	25	27	30	18	13	9	8	9	11	13	15
29	16	15	16	16	13	7	5	9	13	17	14	16	10	8	8	8	9	9	9	8	7	11	9	11	10
30	11	9	14	12	10	10	8	11	13	13	15	16	13	***	12	11	9	10	10	5	4	3	1	3	10
31	7	8	10	8	10	4	4	7	12	14	17	17	17	17	17	19	24	19	16	10	9	10	8	10	12
MEAN	20	20	20	19	19	17	15	18	21	24	26	28	29	27	28	27	29	28	28	25	22	21	20	20	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT														UNITS - PARTS/BILLION											
STATION - NE NO 77016														MONTH - SEP 78											
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	4	3	7	5	3	0	2	6	14	16	21	24	21	22	20	20	22	18	17	23	23	23	29	15
2	34	41	42	49	52	53	50	47	39	38	42	46	51	44	38	38	46	25	32	31	24	36	32	39	40
3	24	40	29	23	8	7	6	6	8	9	12	13	13	14	15	11	14	15	13	11	10	12	10	9	6
4	6	3	2	3	2	6	8	9	12	13	13	14	15	11	11	11	15	12	14	11	12	13	11	13	4
5	9	10	10	11	10	6	3	7	8	9	10	11	11	11	11	15	13	11	10	12	10	9	6	17	11
6	17	15	15	16	23	20	17	14	17	21	22	20	22	20	18	20	19	21	15	13	10	9	4	5	16
7	6	6	6	6	6	6	5	6	8	9	11	13	14	14	14	13	12	13	5	0	0	0	4	0	7
8	1	2	3	5	4	2	0	3	5	10	18	21	18	21	20	19	18	11	10	6	6	4	6	6	8
9	9	9	10	10	9	9	8	11	14	13	13	12	14	13	11	9	8	5	4	5	6	6	6	6	9
10	8	9	11	9	9	12	12	10	9	9	11	12	11	9	12	13	14	13	12	12	10	4	4	4	10
11	10	8	8	9	8	4	3	2	1	1	1	2	8	11	15	17	12	8	10	8	6	6	6	8	7
12	10	12	10	10	10	10	11	11	11	12	13	13	12	12	12	12	13	11	7	6	7	9	10	9	11
13	11	11	11	11	11	11	7	8	10	13	13	13	15	13	11	13	9	4	4	3	7	9	11	10	10
14	13	13	16	15	14	12	9	7	10	10	12	13	10	7	8	8	13	17	22	28	30	27	24	13	15
15	15	13	14	12	12	10	4	6	7	7	9	10	11	10	11	10	9	10	7	10	7	9	8	9	10
16	9	9	9	8	6	6	6	6	8	8	9	10	11	13	13	13	14	10	11	3	3	3	3	9	9
17	11	13	13	13	12	10	12	11	8	11	14	15	14	15	16	17	14	11	3	0	0	0	0	0	10
18	6	9	10	9	9	6	3	2	4	4	4	4	4	4	8	8	10	12	11	11	12	12	14	12	11
19	11	11	11	9	7	5	2	4	7	9	13	16	17	17	17	15	19	18	13	17	22	22	21	22	14
20	19	19	23	24	19	7	0	0	0	6	9	11	11	4	6	4	8	6	8	6	5	7	5	7	9
21	10	8	9	6	6	5	5	4	7	8	8	8	9	8	8	7	7	5	5	4	4	0	4	5	6
22	9	9	9	9	9	6	4	5	5	10	10	14	12	11	13	11	10	8	3	5	8	7	4	7	8
23	7	6	6	5	6	5	4	6	10	13	16	18	19	21	22	20	22	23	21	16	19	12	4	10	13
24	12	13	19	22	23	18	17	26	27	32	29	33	34	34	30	30	21	15	14	12	10	9	9	10	21
25	12	12	11	8	8	6	6	9	13	12	12	12	13	15	16	18	14	15	7	6	3	3	0	12	10
26	12	9	11	12	14	8	4	3	6	18	17	14	15	17	16	18	8	9	8	8	7	7	9	10	13
27	30	27	29	31	26	16	12	7	10	8	14	16	14	13	11	9	10	10	9	4	7	8	5	7	11
28	10	9	8	6	4	6	3	4	8	14	16	14	13	17	18	18	10	8	6	8	9	7	10	13	11
29	12	12	13	12	13	10	12	11	11	13	17	18	18	10	8	6	8	9	7	10	13	11	13	11	12
30	12	12	14	12	9	9	6	4	6	5	3	3	0	2	10	7	10	12	4	11	14	13	11	13	8
MEAN	12	12	13	13	12	10	8	8	10	12	14	14	15	14	14	14	14	13	11	11	11	11	10	11	11.9

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT															UNITS - PARTS/BILLION										
STATION - NE NO 77016															MONTH - OCT 78										
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	16	14	12	10	4	4	4	8	11	12	13	11	13	12	12	13	12	12	10	11	10	8	10	11
2	12	10	9	8	6	3	2	1	4	8	12	15	17	16	14	12	10	5	7	7	3	2	0	2	8
3	7	9	11	9	9	6	3	1	3	5	6	9	10	11	11	9	12	10	11	10	12	15	16	18	9
4	18	18	18	22	25	22	15	16	***	18	15	15	18	17	17	16	17	16	16	13	8	9	10	11	16
5	14	14	12	12	10	6	3	0	2	2	5	7	8	6	4	3	5	8	11	14	15	11	14	9	8
6	10	10	20	21	18	22	10	5	7	12	12	16	***	17	18	11	6	6	8	8	8	14	14	14	14
7	15	12	13	14	13	14	12	13	12	14	13	14	14	15	15	16	16	16	15	13	13	14	14	14	14
8	15	15	15	16	15	16	14	16	15	16	16	17	18	18	17	16	17	14	4	6	5	7	8	13	13
9	4	12	12	12	10	3	3	10	12	19	21	23	26	26	27	25	25	25	22	20	17	18	18	17	17
10	17	17	17	16	14	8	1	1	6	12	15	***	19	19	15	12	6	5	5	12	30	25	4	15	13
11	22	26	28	17	27	5	7	5	22	26	36	40	46	50	46	48	45	42	42	45	47	42	38	32	33
12	28	26	26	25	25	24	16	19	19	18	20	20	21	20	19	17	16	16	17	14	9	0	1	3	11
13	14	14	12	12	11	10	9	7	10	14	15	***	17	17	16	16	17	14	9	0	1	3	6	13	11
14	12	12	16	16	15	14	12	10	13	15	17	15	14	15	12	12	11	13	11	9	13	11	7	13	13
15	13	7	2	4	3	0	6	6	13	17	19	17	16	15	17	18	15	12	3	6	6	5	3	4	9
16	10	11	11	12	11	6	3	1	7	18	18	15	15	15	13	13	11	7	5	0	0	0	0	0	8
17	5	9	15	14	10	7	6	0	6	6	17	20	20	20	20	20	17	18	10	8	9	9	10	12	14
18	23	23	25	26	25	21	11	6	10	8	12	12	11	12	12	10	8	9	9	9	8	10	12	12	14
19	14	13	11	6	11	10	5	3	***	***	***	***	3	6	6	2	3	0	0	1	3	0	3	5	5
20	10	10	10	9	8	3	0	3	5	9	***	14	14	14	14	15	15	15	13	12	11	12	10	7	10
21	3	7	10	8	11	5	0	0	0	2	9	16	17	17	19	23	27	25	15	13	2	4	3	3	10
22	4	8	17	28	29	30	29	29	29	28	30	29	24	23	22	18	16	11	9	8	6	7	10	10	19
23	11	12	13	13	13	13	13	11	12	13	12	14	14	11	11	12	12	12	12	12	13	13	13	13	12
24	14	14	10	9	6	4	0	2	6	7	6	6	6	14	17	16	15	17	18	17	16	15	17	17	11
25	18	18	18	16	16	14	12	10	10	10	10	***	9	10	9	12	10	12	10	9	9	10	11	10	9
26	9	9	8	8	8	8	8	6	5	8	10	11	11	9	9	10	12	15	3	0	6	9	10	9	9
27	5	6	9	11	12	12	9	6	5	10	***	13	15	13	11	8	8	8	8	9	10	11	11	13	9
28	10	10	10	10	10	13	13	9	7	7	8	8	7	8	8	15	15	14	8	6	6	4	3	4	10
29	12	12	12	11	11	11	9	7	8	12	13	14	16	16	15	16	20	19	17	16	15	13	12	11	12
30	7	10	9	8	7	8	8	6	8	9	13	***	15	16	20	21	19	17	16	15	13	12	12	11	12
31	14	15	17	13	14	13	11	10	10	12	13	14	12	10	10	10	10	10	9	9	5	3	8	5	11
MEAN	12	13	14	13	13	11	8	7	9	12	14	15	16	16	15	15	15	13	12	11	11	10	10	11	12.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION												
STATION - NE NO 77016													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	8	7	9	9	11	11	8	5	8	13	19	20	***	19	20	20	20	19	15	18	19	20	19	14
2	20	20	20	19	17	15	14	10	5	11	14	15	15	15	13	13	12	6	5	4	5	2	1	0	11
3	0	0	0	0	0	0	2	2	1	2	5	***	11	13	25	27	22	21	20	22	23	17	21	25	11
4	27	21	20	25	26	25	23	19	20	20	20	17	18	16	16	15	12	5	5	7	7	9	9	10	16
5	11	11	11	12	12	12	14	14	15	19	21	26	35	39	44	48	47	43	40	38	36	25	16	13	25
6	15	15	15	14	13	14	14	11	8	8	10	12	15	15	***	13	13	13	13	13	12	12	13	13	13
7	12	11	12	12	14	13	13	10	8	13	15	15	15	15	14	11	7	7	8	8	9	6	6	11	11
8	15	15	16	18	19	19	17	14	15	***	20	20	20	20	21	21	20	18	18	19	18	18	19	19	18
9	18	18	17	14	14	12	11	8	4	4	***	10	11	11	11	12	12	11	6	7	8	7	7	10	11
10	15	13	13	13	13	13	11	10	9	8	7	6	5	6	6	6	7	5	6	7	6	6	5	5	8
11	4	4	4	6	7	8	8	8	8	9	9	11	10	10	10	10	12	13	14	14	14	14	14	15	10
12	13	14	14	15	16	15	12	12	13	13	14	14	12	12	11	11	11	7	6	4	2	3	4	4	11
13	4	7	9	10	10	9	10	9	8	10	12	12	12	10	9	9	8	7	6	3	2	0	2	5	8
14	8	9	10	11	12	11	9	7	6	6	7	***	8	8	8	10	10	11	13	16	18	18	17	17	11
15	19	18	17	16	14	14	14	15	15	17	19	16	15	13	13	13	13	11	9	7	11	12	11	11	14
16	13	14	15	16	16	16	16	10	6	8	14	14	16	18	18	17	14	4	0	0	1	2	0	2	10
17	2	8	12	11	10	11	13	10	9	7	6	5	3	3	3	2	1	0	5	6	7	8	3	0	6
18	0	0	2	2	3	7	9	11	11	12	12	12	11	11	11	12	11	6	5	7	5	8	10	8	8
19	7	12	15	17	17	15	13	14	15	15	15	15	14	14	13	13	13	13	13	15	15	15	15	14	14
20	14	14	15	14	14	15	15	14	12	12	14	13	13	13	13	13	14	13	13	13	15	15	15	16	14
21	16	15	6	8	2	7	7	6	5	11	16	17	16	16	17	17	16	12	10	11	12	9	8	10	11
22	8	4	6	7	7	8	6	0	0	1	5	12	16	14	14	10	6	6	7	8	7	6	5	5	7
23	7	7	7	9	8	9	9	8	5	6	6	4	6	6	6	7	6	5	5	5	4	4	5	4	6
24	3	3	3	3	5	6	5	2	3	4	5	5	5	5	5	5	5	5	5	5	4	4	5	4	6
25	14	13	14	14	14	12	12	11	9	9	10	12	12	12	13	14	14	10	12	11	11	13	12	11	12
26	13	12	13	13	12	12	11	10	10	11	11	12	10	10	10	10	7	5	3	4	3	2	3	7	9
27	12	12	13	14	14	13	11	8	6	8	8	***	10	9	9	10	11	9	8	9	9	10	10	10	10
28	12	11	13	13	12	11	11	10	9	11	10	12	12	12	12	11	2	2	2	6	8	5	8	8	9
29	10	10	9	13	12	17	17	14	13	18	19	-	12	12	13	9	5	7	8	9	10	9	8	9	11
30	10	9	9	10	11	14	15	12	9	10	12	12	11	11	11	10	4	2	1	0	1	4	4	4	8
MEAN	11	11	11	12	12	12	12	10	9	10	12	13	13	13	13	13	12	10	10	10	10	10	10	10	11.2

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - OZONE-CHEMILUMINESCENT													UNITS - PARTS/BILLION													
STATION - NE NO 77016													MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	8	11	11	9	10	15	16	14	14	15	16	15	15	15	***	11	10	7	7	9	10	12	13	12	
2	8	7	5	1	0	2	7	7	6	9	11	11	11	10	10	8	6	3	0	0	0	0	0	2	5	
3	0	0	0	4	3	5	8	10	10	11	11	11	10	10	9	11	12	11	11	11	11	8	8	7	8	
4	9	10	9	8	7	1	5	1	0	3	5	5	***	9	10	11	11	10	11	11	13	14	17	17	18	
5	17	16	16	16	16	16	17	14	9	9	10	12	15	16	10	12	12	13	12	13	12	10	13	14	13	
6	14	15	14	13	13	12	10	8	9	10	12	13	12	11	9	7	8	8	8	6	9	6	7	10	10	
7	7	7	2	0	0	0	0	0	0	1	3	5	5	7	6	5	6	6	7	10	7	8	9	10	5	
8	11	11	11	11	12	6	6	5	***	11	12	12	12	13	13	9	0	0	1	3	3	4	4	8	8	
9	4	4	4	7	8	9	10	4	5	7	10	10	9	11	11	9	7	6	8	10	10	10	9	8	8	
10	9	11	8	8	8	9	9	10	11	11	13	13	14	14	13	12	9	5	10	10	10	11	12	11	11	
11	12	14	14	15	15	16	14	6	6	7	8	***	13	11	11	9	5	2	2	3	4	5	4	7	9	
12	6	5	5	6	7	10	10	10	10	11	9	10	11	12	14	14	11	11	11	11	13	13	14	12	10	
13	8	7	6	3	5	6	6	4	3	5	5	6	6	6	***	8	9	11	11	12	12	14	14	12	8	
14	14	13	9	12	14	12	11	1	1	5	7	9	9	5	4	5	5	4	5	3	1	3	4	7	10	
15	3	0	0	1	2	3	4	1	0	0	0	***	6	6	7	8	9	12	14	14	13	15	14	14	6	
16	15	15	15	16	16	16	12	2	0	0	0	0	8	11	12	6	4	2	4	1	3	4	3	4	7	
17	5	9	13	14	16	16	15	14	15	15	15	14	10	9	9	10	10	9	9	8	7	7	8	11	11	
18	9	7	6	6	8	8	8	8	1	7	10	***	11	11	10	9	9	10	13	13	13	14	14	15	10	
19	14	14	15	15	16	14	14	6	8	10	11	11	12	11	8	***	2	0	5	7	5	7	8	7	10	
20	10	11	13	14	15	15	13	11	8	8	8	8	10	10	10	11	11	12	12	13	13	14	12	11	11	
21	13	14	14	15	16	17	15	10	13	12	11	11	13	13	12	12	3	2	1	3	3	4	0	0	9	
22	1	4	6	7	10	10	9	6	5	4	4	***	6	6	7	8	10	13	15	15	15	14	14	9	9	
23	16	16	15	16	14	13	13	12	12	8	9	11	11	12	11	11	8	9	9	8	5	5	3	0	10	
24	2	3	6	8	10	11	12	13	14	14	14	12	10	10	10	8	7	6	7	8	8	7	7	9	9	
25	9	9	10	12	11	10	9	8	7	7	9	9	10	10	9	8	6	5	6	6	7	8	9	9	8	
26	10	10	11	11	11	10	11	9	8	8	9	10	11	11	12	7	1	0	4	6	6	5	6	6	8	
27	8	7	7	9	9	10	10	9	7	8	***	11	12	11	10	8	4	4	4	4	4	3	4	6	7	
28	4	4	6	8	10	10	8	6	5	5	6	9	13	12	10	2	0	0	0	0	0	0	0	0	5	
29	0	0	1	0	0	2	4	4	3	3	5	6	-	-	-	-	-	-	-	-	-	-	-	-	8	
30	7	9	9	13	14	15	15	13	9	8	8	8	6	6	7	5	5	4	5	5	4	5	3	3	8	
31	1	1	1	5	6	7	6	7	7	8	8	8	9	8	8	7	6	7	7	7	7	8	8	8	6	
MEAN	8	8	8	9	10	10	10	8	7	8	9	10	10	10	10	9	7	7	7	8	8	8	8	8	8.5	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	10.8	21	24
FEB	28	12.3	20	31
MAR	30	19.3	29	44
APR	30	20.3	25	33
MAY	31	33.2	88	106
JUN	30	26.9	62	101
JUL	31	26.1	76	118
AUG	29	22.8	53	75
SEP	30	11.9	40	53
OCT	31	12.4	33	50
NOV	30	11.2	25	48
DEC	30	8.5	13	18
YEAR	361	18.0	88	118

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	00 TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO 80	81 TO 100	101 TO 150	151 & OVER	TOTAL
JAN	322	377	32	0	0	0	0	0	731
FEB	211	418	32	1	0	0	0	0	662
MAR	88	311	268	50	0	0	0	0	709
APR	25	321	357	6	0	0	0	0	733
MAY	31	131	286	158	102	21	4	0	706
JUN	65	258	198	86	97	1	1	0	731
JUL	150	236	132	118	78	11	6	0	703
AUG	175	248	69	154	57	0	0	0	710
SEP	374	252	51	30	3	0	0	0	732
OCT	310	354	54	14	0	0	0	0	712
NOV	321	363	19	9	0	0	0	0	722
DEC	472	250	0	0	0	0	0	0	8568
YEAR	2544	3519	1498	626	337	33	11	0	

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.8	0	4.8	10.1	14.1	19.8	33.6	47.9	62.5	70.9	118	18.0

19 133  
8005

LEGISLATIVE LIBRARY OF ONTARIO



\*9693600020206\*